FARALLON CONSULTING

August 30, 2023

Vance Atkins
Washington State Department of Ecology
Toxics Cleanup Program, Northwest Regional Office
15700 Dayton Avenue North
Shoreline, Washington 98133

RE: ENVIRONMENTAL CONDITIONS SUMMARY
TOC FACILITY NO. 01-176
24205 AND 24225 56TH AVENUE WEST
MOUNTLAKE TERRACE, WASHINGTON
FARALLON PN: 2584-001

Dear Vance Atkins:

Farallon Consulting, L.L.C. (Farallon) has prepared this letter on behalf of Steve Cho to summarize the current extent of contamination attributable to releases of petroleum hydrocarbons at or from the former Time Oil gasoline service station located at 24205 56th Avenue West in Mountlake Terrace, Washington (Source Property) with the objective of negotiating a prospective purchaser consent decree (PPCD) with the Washington State Department of Ecology (Ecology). The extent of the contamination attributable to the former Time Oil gasoline service station constitutes a "site" under the Model Toxics Control Act, Chapter 70A.305 of the Revised Code of Washington, and the associated Cleanup Regulations, Chapter 173-340 of the Washington Administrative Code (collectively, MTCA). The site is known as TOC Facility No 01 176 (Site).

BACKGROUND

Mr. Cho is under contract to purchase the Source Property (Snohomish County Parcel No. 00489300003501) and the adjoining property to the south at 24225 56th Avenue West (Snohomish County Parcel No. 00489300003400) (Adjoining Property) (Figure 2). The Source Property and Adjoining Property total 1.16 acres of land and are collectively referred to as the "Property." The Source Property contains a fenced remediation system compound surrounded by paved parking and unpaved vegetated areas. The Adjoining Property is developed with a vacant one-story commercial building and contains a fenced remediation system compound. The Source Property and the Adjoining Property have been vacant since 2008 and 2014, respectively.

Mr. Cho intends to redevelop the Property for a mix of residential and commercial uses, which presents an opportunity to implement a remedy for the Site in coordination with the redevelopment. However, acquisition and redevelopment of the Property cannot move forward unless Mr. Cho enters a PPCD with Ecology. The PPCD would obligate Mr. Cho to perform certain remedial actions at the Site, which would be conducted prior to and during redevelopment. Therefore, it is imperative that Mr. Cho reach consensus with Ecology on those remedial actions quickly and efficiently.The Site is currently subject to Agreed Order No. DE 8661 between Ecology and TOC Holdings Co. (TOC). The Agreed Order requires TOC to complete a remedial investigation and feasibility study for the Site. In 2017, TOC filed for bankruptcy. Prior to bankruptcy, TOC was finalizing the Remedial Investigation Report, conducting an interim action that included operation of three multiphase extraction systems and enhanced fluid recovery events, and conducting quarterly groundwater monitoring to evaluate the effectiveness of the interim action. In March 2017, Ecology issued an advisory letter[1] authorizing TOC to decrease the number of monitoring wells subject to quarterly monitoring from 106 to 38. Ecology also advised TOC to continue conducting enhanced fluid recovery efforts and operating the three multiphase extraction systems. Following bankruptcy, TOC ceased work at the Site, and interim action activities and groundwater monitoring were discontinued.

According to the Agreed Order, Time Oil operated a retail gasoline service station on the Source Property from 1968 to 1990. The service station included three underground storage tanks (USTs), six fuel dispensers, and associated product lines. In 1991, the USTs, fuel dispensers, and associated product lines were decommissioned by removal during closure of the service station. Total petroleum hydrocarbons and benzene were detected at concentrations exceeding MTCA Method A cleanup levels in soil samples collected during the decommissioning activities. Between 1992 and 2015, multiple subsurface investigations were conducted to characterize the nature and extent of the contamination at the Site.

COMPLETED REMEDIAL ACTIONS

Multiple interim actions have been conducted over the past three decades to address contamination at the Site. In 1996, a dual-phase extraction system was installed at the Source Property to remediate soil and groundwater impacted by petroleum hydrocarbons, and to remove light nonaqueous-phase liquid (LNAPL). The dual-phase extraction system

[1] Ecology. 2017. Letter regarding comments on documents. From Sunny Becker. To Mark A. Chandler of TOC Holdings Co. March 28.

operated at the Source Property until it was shut down in 2005; the system was decommissioned and removed in 2011 because performance monitoring demonstrated that groundwater in the Shallow Water-Bearing Zone had been successfully remediated. In 2012, three multiphase extraction systems were installed at the Site to remediate petroleum-contaminated groundwater, soil vapor, and LNAPL in the Intermediate Water-Bearing Zone. The multiphase extraction systems operated until 2017 and remain on the Property. The locations of the multiphase extraction systems are shown on Figure 2. In addition to operation of the dual-phase extraction and multiphase extraction systems, multiple LNAPL recovery events were conducted at the Site from 2005 to 2013. During the events, LNAPL was removed from monitoring wells using various methods that included recovery socks, passive skimmers, and bailers.

Groundwater monitoring was conducted at the Site between 1992 and 2016 to characterize the extent of the groundwater contamination, and to evaluate the effectiveness of the interim actions. The monitoring well network for the Site included 106 wells. Annual groundwater monitoring events conducted during the first quarter of each year included collection of groundwater samples from each well in the monitoring well network. Quarterly groundwater monitoring conducted during the second, third, and fourth quarters of each year included collection of groundwater samples from a subset of the monitoring well network. In March 2017, Ecology issued an advisory letter authorizing TOC to decrease the number of monitoring wells subject to quarterly monitoring from 106 to 38. Ecology also advised TOC to continue conducting enhanced fluid recovery efforts and operating the three multiphase extraction systems.

After TOC filed for bankruptcy in 2017, the multiphase extraction systems were shut down at the Site, and groundwater monitoring was stopped.

Additional information about the Site is provided in the Ecology online database.[2]

2023 GROUNDWATER MONITORING

In March 2023, Farallon performed a groundwater monitoring event to evaluate current groundwater conditions at the Site. The groundwater monitoring event included measuring depth-to-groundwater and collecting groundwater samples at 20 monitoring wells installed in the Shallow-Intermediate Water-Bearing Zone or the Intermediate Water-Bearing Zone

[2] Ecology. No Date. Toxics Cleanup Program – Cleanup Site Search Database Search for TOC Facility No. 01-176. <https://apps.ecology.wa.gov/gsp/CleanupSiteDocuments.aspx?csid=6885>.

(MW09 through MW11, MW20, MW22, MW24, MW28, MW29, MW31, MW32, MW48, MW57, MW63, MW69, MW70, MW84 through MW86, MW89, and MW98). These monitoring wells were selected based on previous analytical results from the monitoring well network and proximity to the multiphase extraction systems. Monitoring well construction details for these wells are summarized in Table 1.

During the groundwater monitoring event, monitoring wells were opened and allowed to equilibrate to atmospheric pressure for at least 45 minutes. The depth-to-groundwater in each monitoring well was then measured to the nearest 0.01 of a foot using a water-level meter. Groundwater elevations are summarized in Table 2, and a groundwater contour map is included as Figure 3.

Groundwater samples were collected in accordance with U.S. Environmental Protection Agency (EPA) (1996) procedures.[3] Purging and sampling of each monitoring well was performed using a peristaltic pump and dedicated polyethylene tubing at flow rates ranging from approximately 100 to 300 milliliters per minute. During purging, water quality indicator parameters were monitored using a multi-parameter water quality system equipped with a flow-through cell. Water quality parameters were monitored and recorded at 3-minute intervals during purging and included temperature, pH, specific conductance, dissolved oxygen, oxidation reduction potential, and turbidity. Following purging, groundwater samples were collected from the pump outlet tubing located upstream of the flow-through cell and placed directly into laboratory-prepared sample containers.

Samples were placed on ice in a cooler and submitted to Friedman & Bruya, Inc., of Seattle, Washington, under standard chain-of-custody protocols for analysis of one or more of the following constituents of concern (COCs) for the Site: total petroleum hydrocarbons as gasoline-range organics (GRO) by Northwest Method NWTPH-Gx; total petroleum hydrocarbons as diesel- and oil-range organics (DRO and ORO, respectively) by Northwest Method NWTPH-Dx; benzene, toluene, ethylbenzene, and xylenes by EPA Method 8021B; 1,2-dichloroethane and methyl tertiary-butyl ether by EPA Method 8260D; 1,2-dibromoethane by EPA Method 8011; total and dissolved lead by EPA Method 200.8; and semivolatile organic compounds, including carcinogenic polycyclic aromatic hydrocarbons, by EPA Method 8270E.

[3] EPA. 1996. *Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures*, EPA Groundwater Issue/540/S-95/504. April.

RESULTS

A summary of the groundwater analytical results is provided below. Groundwater analytical results are summarized in Tables 3 through 7 and shown on Figure 4. Charts 1 through 16 depict the concentrations of GRO and benzene over time. Laboratory analytical reports are included as Attachment A.

GRO and/or benzene were detected at concentrations exceeding the MTCA Method A cleanup levels in groundwater samples collected from seven of the 20 monitoring wells (Table 3; Figure 4). Every exceedance was from a well that had previously contained GRO and/or benzene at concentrations exceeding MTCA cleanup levels. In some instances, these concentrations increased from when they were last sampled in 2016, when the multiphase extraction systems were operating. This indicates that concentrations of GRO and/or benzene have rebounded in select monitoring wells following shut-down of the multiphase extraction systems in 2017. In monitoring wells where rebounding occurred, the GRO and benzene concentrations were significantly less than the concentrations when the multiphase extraction systems were first started in 2012 (Table 3; Charts 1 through 16). In 2016, performance monitoring of the multiphase extraction systems indicated that the mass removal rates were approaching asymptotic conditions. Typically, when this happens, adjustments (e.g., changes to air flow rates to alter subsurface airflow) are made to the multiphase extraction system to increase the mass removal effectiveness. However, due to the shut-down of the multiphase extraction systems, adjustments were not made.

Concentrations of GRO and benzene were less than the MTCA cleanup levels in the groundwater samples collected from monitoring wells MW84, MW85, MW86, and MW89, which are the down-gradient-most wells associated with the Site (Table 3; Figure 4). These data indicate that the down-gradient edge of the dissolved-phase petroleum plume is stable and petroleum-contaminated groundwater is not migrating onto and commingling with known releases of petroleum hydrocarbons at the down-gradient Herman Property and Shin/Choi Property (see Unrelated Sources of Contamination Near the Site below).

ORO, toluene, ethylbenzene, xylenes, 1,2-dibromoethane, 1,2-dichloroethane, methyl tertiary-butyl ether, carcinogenic polycyclic aromatic hydrocarbons, and lead were either reported non-detect at the laboratory practical quantitation limits or less than the applicable MTCA cleanup levels in the groundwater samples. Bis(2-ethylhexyl)phthalate was detected in a single groundwater sample collected from monitoring well MW31 at a concentration exceeding the MTCA cleanup level. Bis(2-ethylhexyl)phthalate is a common field and laboratory contaminant and is therefore not considered to be representative of groundwater

conditions. DRO was detected in a single groundwater sample collected from monitoring well MW69 at a concentration exceeding the MTCA Method A cleanup level. However, the laboratory flagged the result, and it was likely caused by overlap from the GRO detection in the same monitoring well.

UPDATED CONCEPTUAL SITE MODEL

The Draft Remedial Investigation Report[4] identifies the USTs and/or fuel dispensers used by the former Time Oil gasoline service station as the source of the contamination at the Site, and it presents a conceptual site model that was developed before completion of the interim actions at the Site. The interim actions included operation of two dual-phase extraction systems, operation of three multiphase extraction systems, and LNAPL removal events. Between 2012 and 2016, the multiphase extraction systems removed approximately 4,698 pounds of vapor-phase hydrocarbons and 4,846,204 gallons of petroleum-contaminated groundwater. Based on groundwater monitoring results, the interim actions have significantly reduced the extent of contamination at the Site.

This section presents an updated conceptual site model based on the most recent groundwater monitoring events conducted in 2023, following the interim actions. A discussion of hydrogeology beneath the Site, unrelated sources of contamination near the Site, and the current extent of contamination at the Site is provided below.

HYDROGEOLOGY

According to the Draft Remedial Investigation Report and 2016 Annual Event Groundwater Monitoring Report,[5] three interconnected water-bearing zones are present at the Site:

- **Shallow Water-Bearing Zone:** A seasonally discontinuous perched groundwater zone, encountered in fill material or the upper portion of glacial outwash and till at depths of approximately 5 to 20 feet below ground surface (bgs). Historical groundwater elevation measurements indicate that groundwater flow in the Shallow Water-Bearing Zone is predominantly toward the south to southeast.
- **Intermediate Water-Bearing Zone:** An unconfined groundwater zone encountered in glacial outwash and till at depths of 20 to 40 feet bgs, and discontinuous sand

[4] SoundEarth Strategies, Inc. 2013. Draft *Remedial Investigation Report, Under Agreed Order No. DE 8661, TOC Holdings Co. Facility No. 01-176, 24205 56th Avenue West, Mountlake Terrace, Washington 98043*. November 27.
[5] Stantec Consulting Services Inc. 2016. *Groundwater Monitoring Report, 2016 Annual Event, TOC Holdings Co., Facility No. 01-176, 24205 56th Avenue West, Mountlake Terrace, WA 98043*. June 30.

and/or gravel lenses within glacial till at depths of 40 to 60 feet bgs. Historical groundwater elevation measurements indicate that groundwater flow in the Intermediate Water-Bearing Zone is predominantly toward the south to southeast.

- **Deep Water-Bearing Zone:** A semi-confined water-bearing zone encountered at depths greater than 60 feet bgs, consisting of glacial sand and gravel. Historical groundwater elevation measurements indicate that groundwater flow in the Deep Water-Bearing Zone is toward the south to southeast.

The screen intervals for monitoring wells installed at the Site have intersected multiple water-bearing zones (either Shallow-Intermediate or Intermediate-Deep Water-Bearing Zones). Groundwater samples collected from wells screened between intersecting zones may not be representative of individual hydrogeological conditions of either zone. Monitoring well construction details for select wells are summarized in Table 1. Figure 2 shows the locations of the monitoring wells and the water-bearing zone in which each well is constructed.

During Farallon's March 2023 groundwater monitoring event, the top of the Shallow-Intermediate Water-Bearing Zone was encountered at a depth of approximately 13 to 27 feet bgs, and the top of the Intermediate Water-Bearing Zone was encountered at a depth of approximately 21 to 41 feet bgs (Table 2). Based on groundwater elevations calculated using synoptic measurements during the March 2023 groundwater monitoring event, the Intermediate Water-Bearing Zone flows toward the south (Figure 3), which is consistent with previous groundwater monitoring events conducted at the Site.

UNRELATED SOURCES OF CONTAMINATION NEAR THE SITE

Environmental investigations in the vicinity of the Site have identified other sources of contamination that are separate and distinct from the contamination attributable to the former Time Oil gasoline service station. The other sources of contamination include gasoline service stations that operated on properties south of the Property known as the Herman Property (24311 56th Avenue West) and Shin/Choi Property (24325 56th Avenue West) (Figure 2). Each property is discussed below.

- **Herman Property:** The Herman Property is located about 120 feet south of the Property (Figure 2). A retail gasoline service station operated on the Herman Property between 1953 and 2001. The service station was equipped with up to seven USTs ranging from 3,000- to 12,000-gallon capacity. The USTs reportedly stored gasoline, diesel fuel, waste oil, stove oil, and heating oil. In 2001, two of the USTs were

removed from the Herman Property. A release of petroleum hydrocarbons to the subsurface was confirmed during removal of the USTs. Environmental investigations have been conducted at the Herman Property between 2018 and 2020, including the collection of soil and groundwater samples from multiple borings and at least 15 monitoring wells, but the results of those investigations have not been made publicly available.

- **Shin/Choi Property:** The Shin/Choi Property is located south-adjacent to the Herman Property (Figure 2). Retail gasoline service stations operated on the Shin/Choi Property from as early as 1955 to 1996. In 1996, two 10,000-gallon USTs, one 12,000-gallon UST, and associated infrastructure were removed from the Shin/Choi Property. A release of petroleum hydrocarbons to the subsurface was confirmed during removal of the USTs. It is unknown whether the lateral and vertical extent of the release has been characterized.

The contamination attributable to the former gasoline service stations on the Herman Property and the Shin/Choi Property does not commingle with the contamination attributable to the former gasoline service station on the Source Property (Figure 4). Additional information regarding the current nature and extent of contamination at the Site is provided below.

NATURE AND EXTENT OF CONTAMINATION AT THE SITE

The investigations and interim actions completed over the past 30 years have characterized the lateral and vertical extent of the soil and groundwater contamination at the Site. The contamination encompasses a portion of the Source Property, a portion of the Adjoining Property, a portion of another affected property at 24309 56th Avenue West known as the Drake Property, and a portion of the 56th Avenue right-of-way (Figure 2). A summary of the current nature and extent of contamination in soil and groundwater is presented below.

Soil

According to the historical analytical results presented in the Draft Remedial Investigation Report, soil with concentrations of total petroleum hydrocarbons exceeded the MTCA Method A cleanup levels in two general areas: 1) beneath the western and southwestern portions of the Source Property in the vicinity of the UST excavation area; and 2) beneath the western portion of the Adjoining Property, the northern portion of the Drake Property, and the eastern portion of the 56th Avenue West right-of-way. The lateral extent of contaminated soil was bounded by multiple borings that demonstrate contamination did not extend north

beyond the Source Property, south beyond the Drake Property, west beyond the 56th Avenue right-of-way, or east beyond the eastern boundaries of the Source Property, the Adjoining Property, or the Drake Property. The areas of contaminated soil generally coincided with the dissolved-phase petroleum-contaminated groundwater plume. A figure from the Draft Remedial Investigation Report depicting the historical MTCA exceedances in soil is included as Attachment B.

Based on historical analytical results, the vertical extent of contaminated soil is generally bounded at a depth of 25 feet bgs within the vicinity of the former USTs on the Source Property. As petroleum contamination migrates to the south and southeast beyond the Source Property, it migrates downward to depths corresponding with the Intermediate Water-Bearing Zone between approximately 22 and 50 feet bgs. The maximum vertical extent of petroleum-contaminated soil to the south of the Source Property is anticipated to be bounded at depths between 30 and 52.5 feet bgs, based on existing data. Cross sections from the Draft Remedial Investigation Report depicting the historical MTCA exceedances in soil are included as Attachment B.

Groundwater

Groundwater analytical results indicate that the Intermediate Water-Bearing Zone is the only water-bearing zone with COCs (GRO and benzene) remaining at concentrations exceeding MTCA Method A cleanup levels. Figure 4 depicts the analytical results from the 2023 groundwater monitoring event and identifies the monitoring wells in which GRO or benzene was detected at concentrations exceeding MTCA cleanup levels.

A summary of groundwater conditions in each of the water-bearing zones present at the Site is provided below:

- **Shallow Water-Bearing Zone:** The dual-phase extraction system operated at the Source Property until 2005. The system was decommissioned and removed in 2011 after performance monitoring demonstrated that groundwater in the Shallow Water-Bearing Zone had been successfully remediated. Based on groundwater analytical results, COCs are no longer present at concentrations exceeding MTCA Method A cleanup levels in the Shallow Water-Bearing Zone (Figure 4).
- **Intermediate Water-Bearing Zone:** Based on groundwater analytical results, COCs remain present at concentrations exceeding MTCA Method A cleanup levels in three locations in the Intermediate Water-Bearing Zone: 1) down-gradient of the former USTs on the Source Property; 2) on the southwestern portion of the Adjoining

Property; and 3) on the western portion of the Drake Property (Figure 4). Each area of groundwater contamination is bounded in up-, cross-, and down-gradient positions. Specifically, multiple monitoring wells have been installed in the 56th Avenue West and 242nd Street Southwest rights-of-way, on the eastern portion of the Site, and along the southern portion of the Site on the boundary between the Herman Property and the Drake Property. COCs in groundwater samples collected from many of these monitoring wells have never been detected at concentrations exceeding MTCA cleanup levels, including the wells on the southern portion of the Site.

- **Deep Water-Bearing Zone:** COCs have not been detected at concentrations exceeding MTCA cleanup levels in groundwater samples collected from the Deep Water-Bearing Zone, except for DRO, benzene, and lead concentrations in two groundwater samples collected in 2005 and 2006 prior to proper development of the monitoring wells (MW30 and MW40). Subsequent groundwater samples collected from monitoring wells MW30 and MW40 did not contain concentrations of COCs exceeding MTCA cleanup levels. Therefore, the historical exceedances are attributable to improper sampling techniques and are not representative of groundwater conditions. Based on these data, COCs are not present at concentrations exceeding MTCA Method A cleanup levels in the Deep Water-Bearing Zone.

CONCLUSIONS

The interim actions completed at the Site over the past three decades have been effective in reducing the concentrations of petroleum hydrocarbons in soil and groundwater across the Site. The remaining soil and groundwater contamination at the Site is confined in the Intermediate Water-Bearing Zone in three discrete areas (Figure 4):

- Down-gradient of the former USTs on the Source Property proximate to monitoring wells MW09, MW10, MW20, and MW32;
- Beneath the southwestern portion of the Adjoining Property proximate to monitoring well MW57; and
- Beneath the western portion of the Drake Property proximate to monitoring wells MW69 and MW98.

The groundwater contamination is bounded in the down-gradient portion of the Site, as demonstrated by the analytical results from monitoring wells MW84, MW85, MW86, and MW89, confirming that groundwater contamination is not migrating beyond the Drake Property and therefore not commingling with contamination from unrelated sources on the Herman Property or Shin/Choi Property. Furthermore, the groundwater plumes are generally stable and/or shrinking, which indicates that the multiphase extraction systems have remediated a significant mass of contamination in soil and groundwater and promoted natural attenuation.

CLOSING

The data collected over the past 30 years adequately characterizes the lateral and vertical extent of contamination at the Site and is sufficient to complete a remedial investigation report, prepare a feasibility study, and select a cleanup action for the Site.

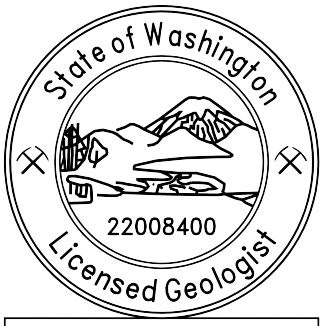
The selected cleanup action would likely include operation of the existing multiphase extraction systems and compliance groundwater monitoring. Data would be evaluated to assess potential adjustments that could be made to the multiphase extraction systems to increase the mass removal effectiveness. If necessary, the multiphase extraction systems could be expanded to facilitate additional remediation of residual contamination in soil and groundwater. Compliance groundwater monitoring would also be conducted to evaluate the rate of natural attenuation. Depending on the redevelopment plans for the Property, the selected cleanup action might also include excavation and/or installation of vapor barriers for future buildings.

Mr. Cho requests Ecology's approval to prepare and submit to Ecology a Remedial Investigation Report, Feasibility Study, and draft Cleanup Action Plan for the Site together with a formal request to commence negotiation of a PPCD. The PPCD would obligate Mr. Cho to implement the cleanup action described in the draft Cleanup Action Plan.

Please contact Pete Kingston at (425) 295-0800 if you have questions or need additional information.

Sincerely,

Farallon Consulting, L.L.C.



Sarah Snyder, L.G.
Senior Geologist

Pete Kingston, L.G.
Principal Geologist

Attachments

Figure 1, *Site Vicinity Map*
Figure 2, *Site Map*
Figure 3, *Groundwater Contour Map – Intermediate Zone – March 23, 2023*
Figure 4, *Approximate Extent of GRO and Benzene in Groundwater (March 2023 and Historical)*
Table 1, *Monitoring Well Construction Details*
Table 2, *Summary of Groundwater Elevation Data*
Table 3, *Groundwater Analytical Results for TPH and BTEX*
Table 4, *Groundwater Analytical Results for Volatile Organic Compounds*
Table 5, *Groundwater Analytical Results for Semivolatile Organic Compounds*
Table 6, *Groundwater Analytical Results for PAHs*
Table 7, *Groundwater Analytical Results for Total and Dissolved Lead*
Chart 1, *Monitoring Well MW09 GRO and Benzene Concentrations Over Time*
Chart 2, *Monitoring Well MW10 GRO and Benzene Concentrations Over Time*
Chart 3, *Monitoring Well MW11 GRO and Benzene Concentrations Over Time*
Chart 4, *Monitoring Well MW20 GRO and Benzene Concentrations Over Time*
Chart 5, *Monitoring Well MW24 GRO and Benzene Concentrations Over Time*
Chart 6, *Monitoring Well MW28 GRO and Benzene Concentrations Over Time*
Chart 7, *Monitoring Well MW29 GRO and Benzene Concentrations Over Time*
Chart 8, *Monitoring Well MW31 GRO and Benzene Concentrations Over Time*
Chart 9, *Monitoring Well MW32 GRO and Benzene Concentrations Over Time*
Chart 10, *Monitoring Well MW48 GRO and Benzene Concentrations Over Time*
Chart 11, *Monitoring Well MW57 GRO and Benzene Concentrations Over Time*
Chart 12, *Monitoring Well MW69 GRO and Benzene Concentrations Over Time*
Chart 13, *Monitoring Well MW70 GRO and Benzene Concentrations Over Time*
Chart 14, *Monitoring Well MW84 GRO and Benzene Concentrations Over Time*
Chart 15, *Monitoring Well MW86 GRO and Benzene Concentrations Over Time*
Chart 16, *Monitoring Well MW98 GRO and Benzene Concentrations Over Time*
Attachment A, 2023 Groundwater Monitoring Laboratory Analytical Reports
Attachment B, Select Figures from the Draft Remedial Investigation Report

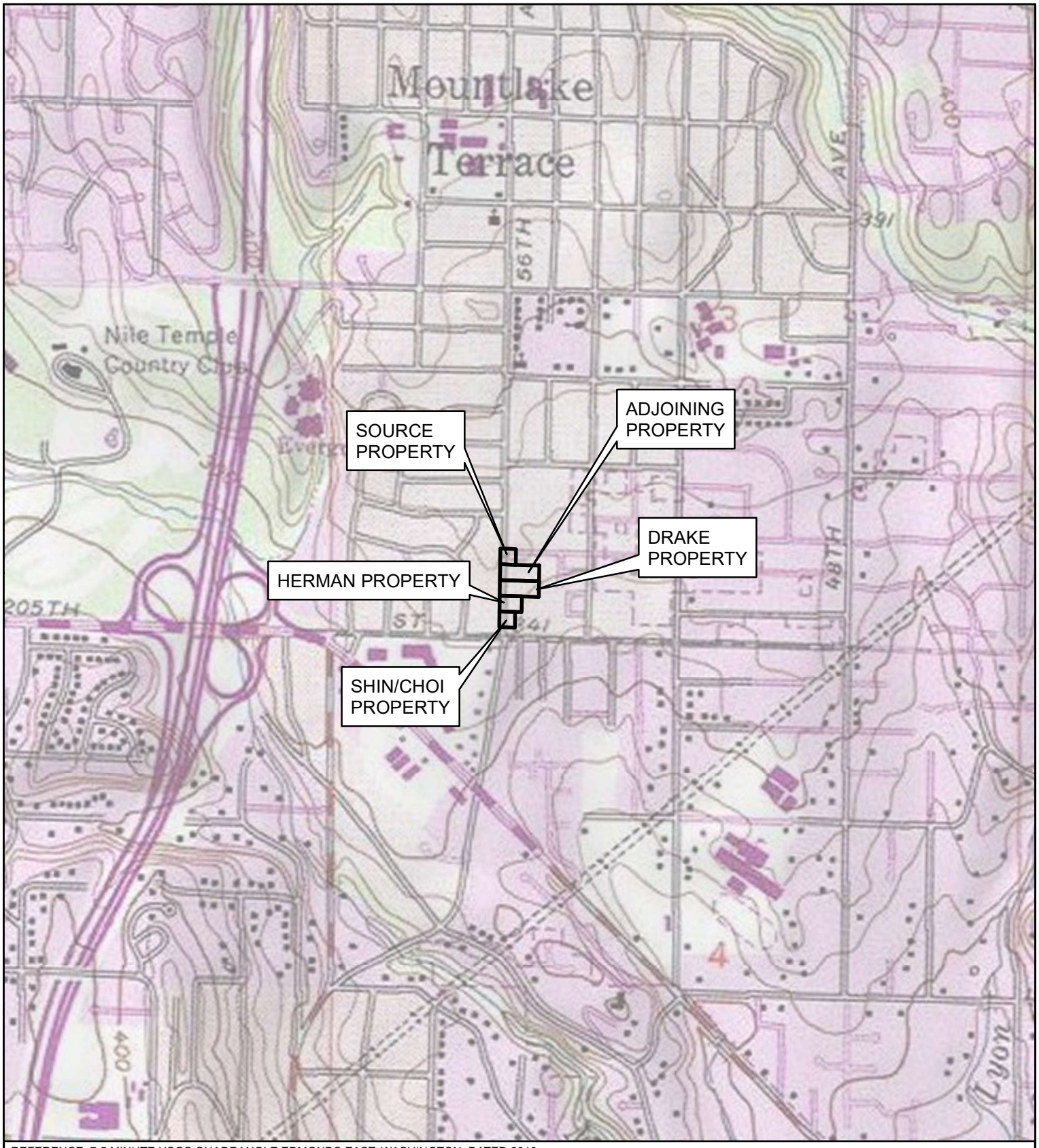
cc: Steve Cho
Howard Jensen, Veris Law Group, PLLC
Kevin Jackson, Veris Law Group, PLLC
Frank Winslow, Ecology
Kim Wooten, Ecology

SS/PK:sw

FIGURES

ENVIRONMENTAL CONDITIONS SUMMARY
TOC Facility No. 01-176
24205 and 24225 56th Avenue West
Mountlake Terrace, Washington

Farallon PN: 2584-001



REFERENCE: 7.5 MINUTE USGS QUADRANGLE EDMONDS EAST, WASHINGTON, DATED 2013

0 1,000
SCALE IN FEET

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Washington
Issaquah | Bellingham | Seattle

Oregon
Portland | Baker City

California
Oakland | Irvine

FIGURE 1

PROPERTY VICINITY MAP
TOC FACILITY 01-176
24205 AND 24225 56th AVENUE WEST
MOUNTLAKE TERRACE, WASHINGTON

FARALLON PN: 2584-001

Drawn By: lmurock | Checked By: SS | Date: 6/19/2023 | Disc Reference:

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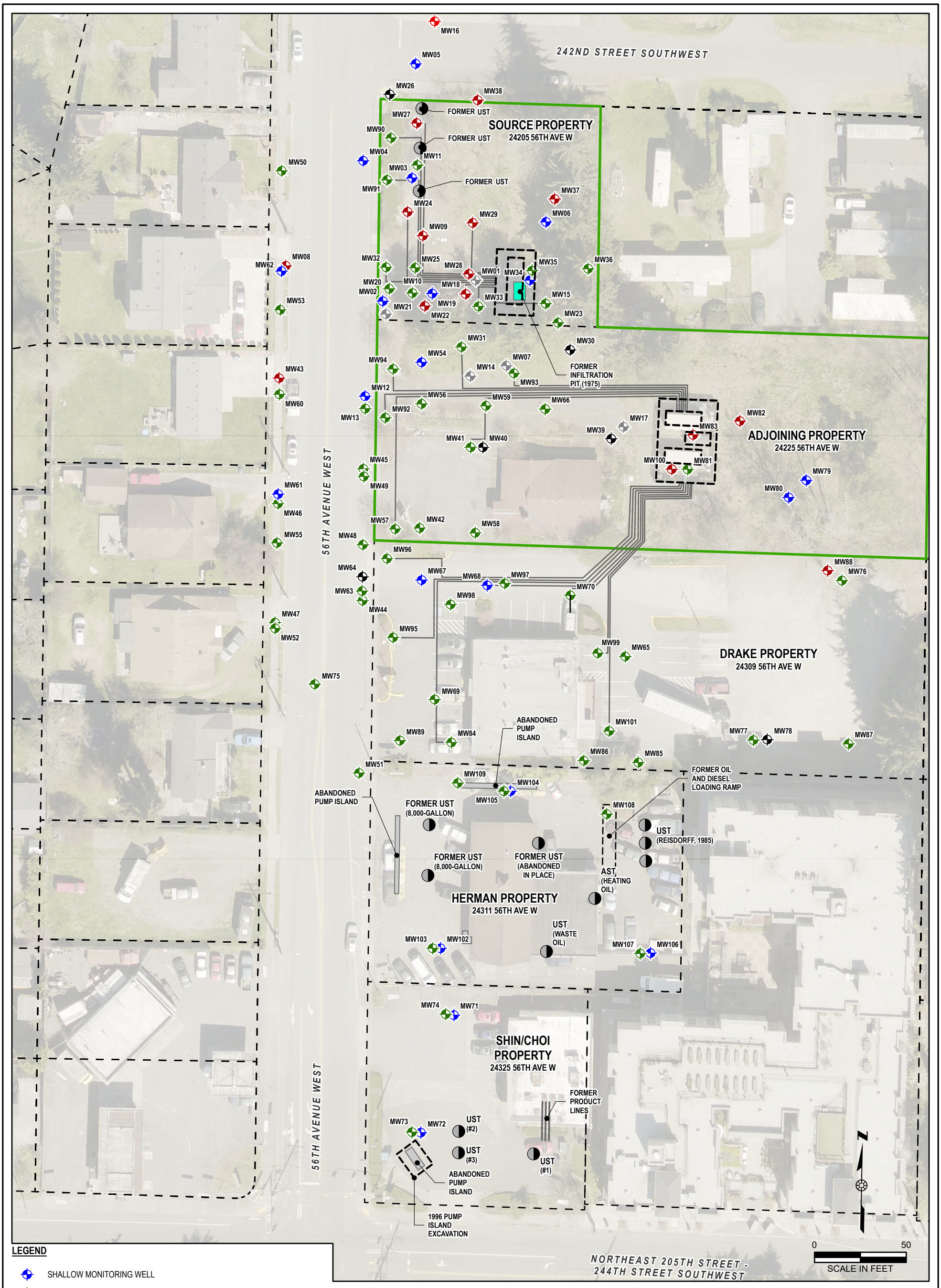

LEGEND

- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- INTERMEDIATE-DEEP MONITORING WELL
- SHALLOW-INTERMEDIATE MONITORING WELL
- ABANDONED
- FORMER STORAGE TANKS
- SYSTEM PIPING
- APPROXIMATE SYSTEM LAYOUT
- PROPERTY BOUNDARY
- PARCELS

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.

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FIGURE 2

PROPERTY PLAN
TOC FACILITY 01-176
24205 AND 24225 56TH AVENUE WEST
MOUNTLAKE TERRACE, WASHINGTON

FARALLON PN: 2584-001

Drawn By: lmurock | Checked By: SS | Date: 6/26/2023 | Disc Reference:

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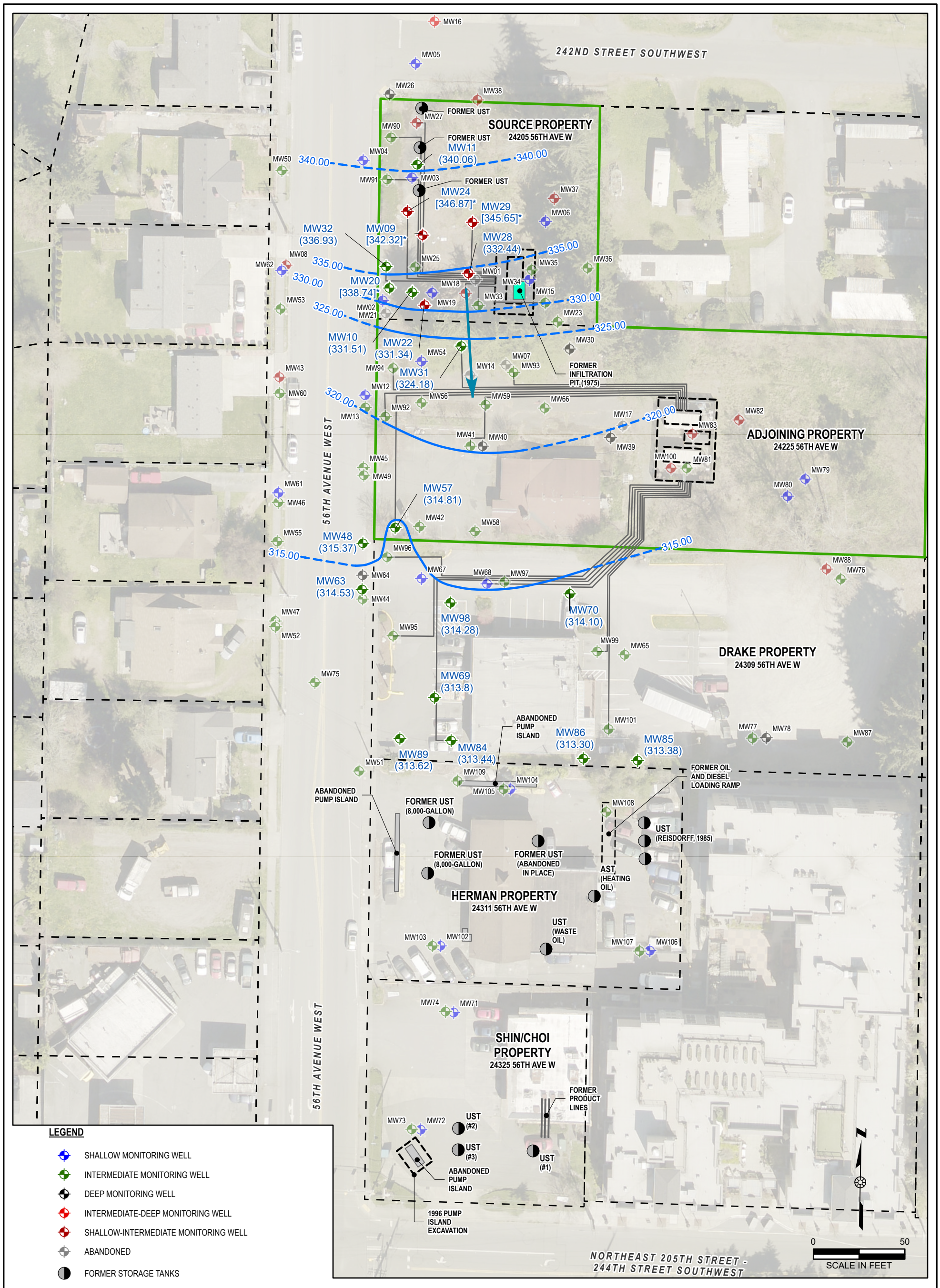

LEGEND

- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- INTERMEDIATE-DEEP MONITORING WELL
- SHALLOW-INTERMEDIATE MONITORING WELL
- ABANDONED
- FORMER STORAGE TANKS
- SYSTEM PIPING
- APPROXIMATE SYSTEM LAYOUT
- PROPERTY BOUNDARY
- PARCELS
- (340.06) GROUNDWATER ELEVATION MEASURED IN FEET REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
- [346.87]* GROUNDWATER ELEVATION NOT USED IN CONTOURING
- 340.00 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTES:
WELLS THAT WERE NOT GAUGED DURING THE 2023 GROUNDWATER MONITORING EVENT ARE DISPLAYED AT 50% OPACITY.

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.

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FIGURE 3

GROUNDWATER CONTOUR MAP - INTERMEDIATE ZONE
MARCH 23, 2023
TOC FACILITY 01-176
24205 AND 24225 56TH AVENUE WEST
MOUNTLAKE TERRACE, WASHINGTON

FARALLON PN: 2584-001

Drawn By: lmurock | Checked By: SS | Date: 6/26/2023 | Disc Reference:

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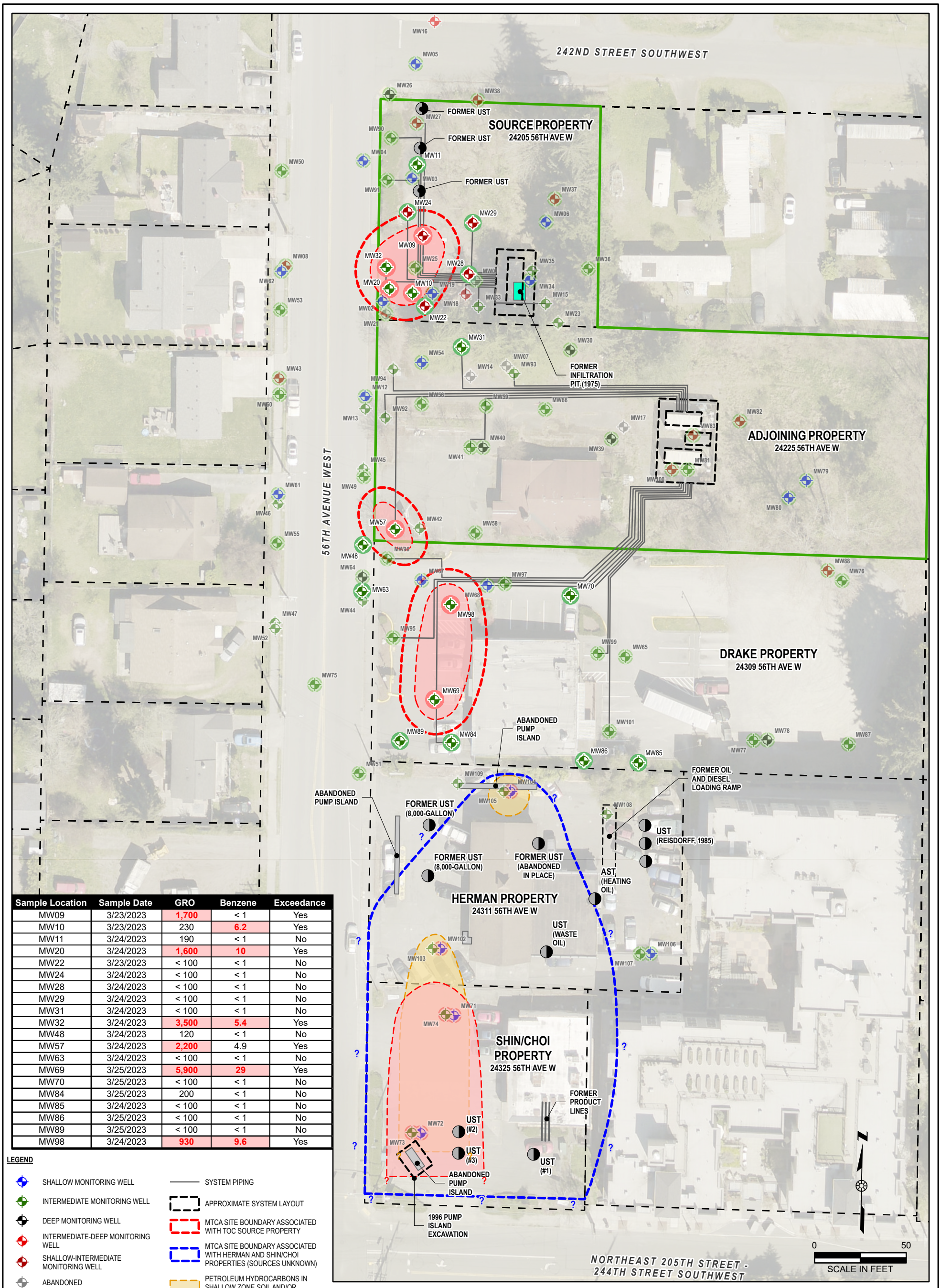

Sample Location	Sample Date	GRO	Benzene	Exceedance
MW09	3/23/2023	1,700	< 1	Yes
MW10	3/23/2023	230	6.2	Yes
MW11	3/24/2023	190	< 1	No
MW20	3/24/2023	1,600	10	Yes
MW22	3/23/2023	< 100	< 1	No
MW24	3/24/2023	< 100	< 1	No
MW28	3/24/2023	< 100	< 1	No
MW29	3/24/2023	< 100	< 1	No
MW31	3/24/2023	< 100	< 1	No
MW32	3/24/2023	3,500	5.4	Yes
MW48	3/24/2023	120	< 1	No
MW57	3/24/2023	2,200	4.9	Yes
MW63	3/24/2023	< 100	< 1	No
MW69	3/25/2023	5,900	29	Yes
MW70	3/25/2023	< 100	< 1	No
MW84	3/25/2023	200	< 1	No
MW85	3/24/2023	< 100	< 1	No
MW86	3/25/2023	< 100	< 1	No
MW89	3/25/2023	< 100	< 1	No
MW98	3/24/2023	930	9.6	Yes

LEGEND

- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- INTERMEDIATE-DEEP MONITORING WELL
- SHALLOW-INTERMEDIATE MONITORING WELL
- ABANDONED
- FORMER STORAGE TANKS
- GRO AND BENZENE WERE DETECTED AT CONCENTRATIONS LESS THAN THE MTCA METHOD A CLEANUP LEVELS
- GRO AND/OR BENZENE WERE DETECTED AT A CONCENTRATION EXCEEDING THE MTCA METHOD A CLEANUP LEVEL
- SYSTEM PIPING
- APPROXIMATE SYSTEM LAYOUT
- MTCA SITE BOUNDARY ASSOCIATED WITH TOC SOURCE PROPERTY
- MTCA SITE BOUNDARY ASSOCIATED WITH HERMAN AND SHIN/CHOI PROPERTIES (SOURCES UNKNOWN)
- PETROLEUM HYDROCARBONS IN SHALLOW ZONE SOIL AND/OR GROUNDWATER
- PETROLEUM HYDROCARBONS IN INTERMEDIATE ZONE SOIL AND/OR GROUNDWATER
- PROPERTY BOUNDARY
- PARCELS

GROUNDWATER CONCENTRATIONS SHOWN IN MICROGRAMS PER LITER (µg/L)

WELLS THAT WERE NOT ANALYZED FOR GASOLINE-RANGE ORGANICS (GRO) OR BENZENE DURING THE 2023 GROUNDWATER MONITORING EVENT ARE DISPLAYED AT 50% OPACITY. GROUNDWATER RESULTS SHOWN FOR THESE WELLS INCLUDE RESULTS FROM THE MOST RECENT GROUNDWATER MONITORING EVENT PERFORMED AT THAT LOCATION.

WELLS WITHOUT GROUNDWATER RESULTS WERE HISTORICALLY DRY AND NOT SAMPLED DURING THE MOST RECENT GROUNDWATER MONITORING EVENTS.

MODEL TOXICS CONTROL ACT (MTCA) EXCEEDANCES FOR GROUNDWATER SHOWN AS BOLD RED

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.

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FIGURE 4

APPROXIMATE EXTENT OF GRO AND BENZENE IN GROUNDWATER
(MARCH 2023 AND HISTORICAL)
TOC FACILITY 01-176
24205 AND 24225 56TH AVENUE WEST
MOUNTLAKE TERRACE, WASHINGTON

FARALLON PN: 2584-001

Drawn By: lmurock | Checked By: SS | Date: 6/26/2023 | Disc Reference:

Path: Q:\Projects\2584 AMPACC Law Group\001 Former TOC Facility 01-176\Mapfiles\011\Figure-04_GW-GRO-B.aprx

TABLES

ENVIRONMENTAL CONDITIONS SUMMARY
TOC Facility No. 01-176
24205 and 24225 56th Avenue West
Mountlake Terrace, Washington

Farallon PN: 2584-001

Table 1
Monitoring Well Construction Details
Former TOC
Mountlake Terrace, Washington
Farallon PN: 2584-001

Well ID	Water-Bearing Zone	Well Type	Ground Surface Elevation (feet NAVD88)	Top of Casing Elevation (feet NAVD88)	Top of Screen (feet bgs)	Bottom of Screen (feet bgs)	Screened Length (feet)	Screen Top Elevation (feet NAVD88)	Screen Bottom Elevation (feet NAVD88)
TOC Property									
MW09	Shallow-Intermediate	4" monitoring	361.68	360.32	4.0	39.0	35.0	356.3	321.3
MW10	Intermediate	4" monitoring	359.44	357.97	18.0	38.0	30.0	340.0	320.0
MW11	Intermediate	4" remediation	363.29	362.40	19.5	39.5	30.0	342.9	322.9
MW18	Shallow-Intermediate	4" remediation	358.65	357.97	24.0	39.0	15.0	334.0	319.0
MW20	Intermediate	4" monitoring	363.33	359.98	26.6	41.6	15.0	333.4	318.4
MW22	Shallow-Intermediate	4" monitoring	360.08	358.56	14.9	39.9	15.0	343.7	318.7
MW24	Shallow-Intermediate	4" remediation	362.95	362.00	14.6	39.6	15.0	347.4	322.4
MW25	Intermediate	4" monitoring	360.21	359.01	14.7	39.7	15.0	344.3	319.3
MW28	Shallow-Intermediate	2" monitoring	358.96	358.42	10.0	30.0	20.0	348.4	328.4
MW29	Shallow-Intermediate	2" remediation	359.85	359.02	9.0	29.0	20.0	350.0	330.0
MW31	Intermediate	2" remediation	358.07	357.25	28.5	38.5	10.0	328.8	318.8
MW32	Intermediate	4" remediation	360.79	359.98	14.0	34.0	20.0	346.0	326.0
TOC/Farmasonis Property									
MW45	Intermediate	2" monitoring	357.58	357.06	29.6	39.6	10.0	327.5	317.5
MW48	Intermediate	2" monitoring	356.00	355.45	36.5	46.5	10.0	319.0	309.0
MW57	Intermediate	4" remediation	357.25	356.43	39.0	49.0	10.0	317.4	307.4
Drake Property									
MW63	Intermediate	4" monitoring	355.47	355.14	42.0	52.0	10.0	313.1	303.1
MW69	Intermediate	2" remediation	354.66	353.78	38.5	48.5	10.0	315.3	305.3
MW70	Intermediate	2" remediation	355.03	354.19	38.2	48.2	10.0	316.0	306.0
MW84	Intermediate	4" monitoring	354.82	353.78	39.5	49.5	10.0	314.3	304.3
MW85	Intermediate	2" monitoring	351.84	351.34	38.0	48.0	10.0	313.3	303.3
MW86	Intermediate	2" monitoring	353.35	352.78	35.0	45.0	10.0	317.8	307.8
MW89	Intermediate	2" monitoring	354.32	353.89	39.5	49.5	10.0	314.4	304.4
MW98	Intermediate	4" remediation	355.53	354.75	38.0	48.0	10.0	316.8	306.8

NOTES:
bgs = below ground surface
NAVD88 = North American Vertical Datum of 1988
NM = not measured

Table 2
Summary of Groundwater Elevation Data
Former TOC
Mountlake Terrace, Washington
Farallon PN: 2584-001

Well ID	Water-Bearing Zone	Date Measured	Well Head Elevation (feet)[1]	Depth to Water (feet)[2]	Groundwater Elevation (feet)[1]
TOC Property					
MW09	Shallow-Intermediate	3/23/2023	360.32	18.00	342.32
MW10	Intermediate	3/23/2023	357.97	26.46	331.51
MW11	Intermediate	3/23/2023	362.40	22.34	340.06
MW18	Shallow-Intermediate	3/23/2023	357.97	dry	--
MW20	Intermediate	3/23/2023	359.98	21.24	338.74
MW22	Shallow-Intermediate	3/23/2023	358.56	27.22	331.34
MW24	Shallow-Intermediate	3/23/2023	362.00	15.13	346.87
MW25	Intermediate	3/23/2023	359.01	mud[3]	--
MW28	Shallow-Intermediate	3/23/2023	358.42	25.98	332.44
MW29	Shallow-Intermediate	3/23/2023	359.02	13.37	345.65
MW31	Intermediate	3/23/2023	357.25	33.07	324.18
MW32	Intermediate	3/23/2023	359.98	23.05	336.93
TOC/Farmasonis Property					
MW45	Intermediate	3/23/2023	357.06	37.95	319.11
MW48	Intermediate	3/23/2023	355.45	40.08	315.37
MW57	Intermediate	3/23/2023	356.43	41.62	314.81
Drake Property					
MW63	Intermediate	3/23/2023	355.14	40.61	314.53
MW69	Intermediate	3/23/2023	353.78	39.98	313.80
MW70	Intermediate	3/23/2023	354.19	40.09	314.10
MW84	Intermediate	3/23/2023	353.78	40.34	313.44
MW85	Intermediate	3/23/2023	351.34	37.96	313.38
MW86	Intermediate	3/23/2023	352.78	39.48	313.30
MW89	Intermediate	3/23/2023	353.89	40.27	313.62
MW98	Intermediate	3/23/2023	354.75	40.47	314.28

NOTES:

--- denotes not available

[1] Elevations reported in North American Vertical Datum of 1988.

[2] In feet below top of well casing.

[3] Monitoring well MW-25 has a broken lid and has been filled with soil.

Table 3
Groundwater Analytical Results for TPH and BTEX
Former TOC
Mountlake Terrace, Washington
Farallon PN: 2584-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)						
				DRO[1]	ORO[1]	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Xylenes[3]
MW09	SES	3/7/2012	MW09-20120307-PE	---	---	**11,000**	**30**	76	350	**2,400**
	SES	6/6/2012	MW09-20120606-PE	---	---	**6,400**	**6.4**	22	180	1,000
	SES	9/11/2012	MW09-20120911-PE	---	---	**3,300**	**21**	21	130	750
	SES	12/5/2012	MW09-20121205-PE	---	---	**3,100**	**16**	11	18	390
	SES	2/20/2013	MW09-20130220-PE	---	---	460	< 1	< 1	7	74
	Stantec	6/25/2013	MW09-20130625-PE	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	9/5/2013	MW09-20130905-BA	---	---	300	1.9	1.8	1.7	19
	Stantec	3/25/2014	MW09(Peri)	---	---	**2,600**	< 1	3.8	< 1	540
	Stantec	6/13/2014	MW09	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	12/13/2014	MW09-SUB	---	---	210	< 1	< 1	< 1	< 3
	Stantec	3/18/2015	MW09	---	---	120	< 1	< 1	2.5	15
	Stantec	6/16/2015	MW09	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	12/10/2015	MW09	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	2/9/2016	MW09	---	---	730	< 0.35	< 1	1.9	81
	Stantec	12/8/2016	MW09	---	---	< 100	< 0.35	< 1	1	3.5
	Farallon	3/23/2023	MW09-032323	---	---	**1,700**	< 1	2.1	39	100
MW10	SES	3/7/2012	MW10-20120307-PE	---	---	**1,400**	**62**	7.3	27	89
	SES	6/6/2012	MW10-20120606-PE	---	---	**830**	**11**	5.1	28	84
	SES	9/11/2012	MW10-20120911-PE	---	---	**1,500**	**38**	< 10	110	86
	SES	12/5/2012	MW10-20121205-BA	---	---	**4,900**	4.6	< 1	19	63
	SES	2/21/2013	MW10-20130221-PE	---	---	620	**5.5**	14	8.7	110
	Stantec	6/25/2013	MW10-20130625-PE	---	---	410	4.5	3.1	12	80
	Stantec	3/22/2014	MW10	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	4/22/2014	---	---	---	<100	< 1	< 1	< 1	< 3
	Stantec	6/16/2014	MW10	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	12/11/2014	MW10	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	3/19/2015	MW10	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	6/10/2015	MW10	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	2/9/2016	MW10	---	---	< 100	< 0.35	< 1	< 1	< 3
	Farallon	3/23/2023	MW10-032323	---	---	230	**6.2**	< 1	< 1	< 3
MW11	SES	2/28/2013	MW11-20130228-PN	---	---	**7,800**	**14**	85	92	**4,200**
	Stantec	3/30/2014	MW11	---	---	**1,900**	< 1	7.2	10	73
	Stantec	3/11/2015	MW11	---	---	190	< 1	< 1	3.8	3.1
	Stantec	2/2/2016	MW11	---	---	< 100	< 0.35	< 1	< 1	< 3
	Stantec	11/29/2016	MW11	---	---	< 100	< 0.35	< 1	< 1	< 3
	Farallon	3/24/2023	MW11-032423	---	---	190	< 1	< 1	6.3	22
MTCA Method A Cleanup Level for Groundwater[4]				**500**	**500**	**800/1,000[5]**	**5**	**1,000**	**700**	**1,000**

Table 3
Groundwater Analytical Results for TPH and BTEX
Former TOC
Mountlake Terrace, Washington
Farallon PN: 2584-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)						
				DRO[1]	ORO[1]	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Xylenes[3]
MW20	SES	3/9/2012	MW20-20120309-PE	---	---	**5,800**	**200**	57	310	460
	SES	6/6/2012	MW20-20120606-PE	---	---	**7,800**	**220**	250	300	910
	SES	9/11/2012	MW20-20120911-PE	---	---	**5,000**	**100**	21	210	450
	SES	12/5/2012	MW20-20121205-BA	---	---	**840**	< 1	2.5	5.9	14
	SES	2/20/2013	MW20-20130220-PE	---	---	**17,000**	**140**	750	620	**3,400**
	Stantec	6/26/2013	MW20-20130626-BL	---	---	**8,600**	**25**	98	200	**1,200**
	Stantec	9/5/2013	MW20-20130905-BA	---	---	150	< 1	< 1	< 1	< 3
	Stantec	3/22/2014	MW20	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	6/13/2014	MW20	170 J	< 250	110	**12** J	5.8 J	1.8	5.8
	Stantec	9/22/2014	MW20	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	3/14/2015	MW20	140 J	< 500	< 100	< 1	< 1	< 1	< 3
	Stantec	6/11/2015	MW20	100	< 500	< 100	< 1	< 1	< 1	4.5
	Stantec	2/5/2016	MW20	< 60	< 300	< 100	< 0.35	< 1	< 1	< 3
	Farallon	3/24/2023	MW20-032423	300 X	< 250	**1,600**	**10**	7.4	55	140
MW22	SES	6/6/2012	MW22-20120606-PE	---	---	< 100	< 1	< 1	< 1	< 3
	SES	9/11/2012	MW22-20120911-PE	---	---	< 100	< 1	< 1	< 1	< 3
	SES	12/4/2012	MW22-20121204-PE	---	---	< 100	< 1	< 1	< 1	< 3
	SES	2/21/2013	MW22-20130221-PE	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	6/25/2013	MW22-20130625-PE	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	3/21/2014	MW22	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	3/14/2015	MW22	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	2/10/2016	MW22	---	---	< 100	< 0.35	< 1	< 1	< 3
	Stantec	12/8/2016	MW22	---	---	< 100	< 0.35	< 1	< 1	< 3
	Farallon	3/23/2023	MW22-032323	---	---	< 100	< 1	< 1	< 1	< 3
MW24	SES	3/9/2012	MW24-20120309-PE	---	---	**4,400**	**7.3**	39	39	770
	SES	2/28/2013	MW24-20130228-PN	---	---	**1,000**	< 1	1.7	< 1	40
	Stantec	3/30/2014	MW24	---	---	**11,000**	< 1	57	< 1	**2,200**
	Stantec	3/11/2015	MW24	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	2/3/2016	MW24	---	---	< 100	< 0.35	< 1	< 1	< 3
	Stantec	11/29/2016	MW24	---	---	< 100	< 0.35	< 1	< 1	< 3
	Farallon	3/24/2023	MW24-032423	---	---	< 100	< 1	< 1	< 1	< 3
MW28	SES	2/20/2013	MW28-20130220-PE	---	---	**3,600**	< 1	1.8	86	420
	Stantec	3/22/2014	MW28	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	3/20/2015	MW28	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	2/5/2016	MW28	---	---	**1,300**	< 0.35	< 1	< 1	75
	Farallon	3/24/2023	MW28-032423	---	---	< 100	< 1	< 1	< 1	< 3
MTCA Method A Cleanup Level for Groundwater[4]				**500**	**500**	**800/1,000[5]**	**5**	**1,000**	**700**	**1,000**

Table 3
Groundwater Analytical Results for TPH and BTEX
Former TOC
Mountlake Terrace, Washington
Farallon PN: 2584-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)						
				DRO[1]	ORO[1]	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Xylenes[3]
MW29	SES	3/9/2012	MW29-20120309-PE	---	---	**6,700**	1.5	2.7	220	840
	SES	2/28/2013	MW29-20130228-PN	---	---	**8,500**	< 1	50	< 1	**1,400**
	Stantec	3/30/2014	MW29	---	---	**3,500**	< 1	< 1	< 1	140
	Stantec	3/11/2015	MW29	---	---	790	< 1	1	< 1	29
	Stantec	2/3/2016	MW29	---	---	**1,900**	< 0.35	< 1	14	88
	Stantec	11/29/2016	MW29	---	---	< 100	< 0.35	< 1	< 1	< 3
	Farallon	3/24/2023	MW29-032423	---	---	< 100	< 1	< 1	< 1	< 3
	Farallon	3/26/2023	MW29-032623	---	---	---	---	---	---	---
MW31	SES	3/7/2012	MW31-20120307-BA	---	---	**2,800**	**7.2**	5.2	23	400
	SES	6/5/2012	MW31-20120605-BA	---	---	**8,200**	**19**	7.7	17	880
	SES	2/28/2013	MW31-20130228-PN	---	---	**2,000**	4.6	< 1	19	45
	Stantec	6/26/2013	MW31-20130626-PN	---	---	150	< 1	< 1	< 1	< 3
	Stantec	3/26/2014	MW31	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	6/11/2014	MW31	---	---	< 100	< 1	< 1	< 1	< 3
	Farallon	3/24/2023	MW31-032423	< 50	< 250	< 100	< 1	< 1	< 1	< 3
MW32	SES	3/9/2012	MW32-20120309-PE	---	---	120	3.1	11	1.1	16
	SES	6/6/2012	MW32-20120606-PE	---	---	**4,300**	**14**	160	87	650
	SES	9/11/2012	MW32-20120911-PN	---	---	**14,000**	**130**	260	410	**2,800**
	SES	12/5/2012	MW32-20121205-PN	---	---	**33,000**	**30**	800	**930**	**6,700**
	SES	2/28/2013	MW32-20130228-PN	---	---	**28,000**	**23**	210	**1,000**	**7,000**
	Stantec	6/26/2013	MW32-20130626-PN	---	---	**8,000**	**11**	93	280	**1,900**
	Stantec	9/4/2013	MW32-20130904-PN	---	---	**2,000**	< 5	5.3	26	150
	Stantec	3/30/2014	MW32	---	---	**4,800**	**5.3**	57	57	410
	Stantec	6/10/2014	MW32	---	---	**2,100**	2.6	30	32	180
	Stantec	9/18/2014	MW32	---	---	450	2.9	4.7	15	26
	Stantec	12/11/2014	MW32	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	3/11/2015	MW32	---	---	680	1.7	7.8	16	62
	Stantec	6/9/2015	MW32	---	---	410	2.6	3.5	11	28
	Stantec	9/22/2015	MW32	---	---	140	< 1	< 1	< 1	4.4
	Stantec	2/2/2016	MW32	---	---	**1,200**	1.1	21	21	163
	Stantec	11/29/2016	MW32	---	---	< 100	< 0.35	< 1	< 1	< 3
	Farallon	3/24/2023	MW32-032423	---	---	**3,500**	**5.4**	6.4	88	44
	Farallon	3/28/2023	MW-32-032823	---	---	---	---	---	---	---
MTCA Method A Cleanup Level for Groundwater[4]				**500**	**500**	**800/1,000[5]**	**5**	**1,000**	**700**	**1,000**

Table 3
Groundwater Analytical Results for TPH and BTEX
Former TOC
Mountlake Terrace, Washington
Farallon PN: 2584-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)						
				DRO[1]	ORO[1]	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Xylenes[3]
MW48	SES	3/8/2012	MW48-20120308-BA	---	---	**37,000**	**220**	140	**770**	**5,400 J**
	SES	6/5/2012	MW48-20120605-BA	---	---	**14,000**	< 5	13	210	**1,900**
	SES	9/11/2012	MW48-20120911-BA	---	---	**24,000**	**300**	130	550	**4,300**
	SES	12/4/2012	MW48-20121204-BA	---	---	**21,000**	**62**	< 40	390	**3,000**
	SES	2/20/2013	MW48-20130220-BA	---	---	**19,000**	**170**	100	620	**4,500**
	Stantec	6/26/2013	MW48-20130626-BA	---	---	**11,000**	< 5	12	130	810
	Stantec	9/5/2013	MW48-20130905-BA	---	---	**18,000**	**60**	55	140	**1,100**
	Stantec	12/3/2013	MW48-20131203-BA	---	---	**19,000**	**160**	76	< 5	**3,300**
	Stantec	3/23/2014	MW48	---	---	**33,000**	**82**	99	680	**4,700**
	Stantec	6/12/2014	MW48	---	---	**10,000**	< 1	11	37	610
	Stantec	9/18/2014	MW48	---	---	**8,500**	< 5	12	< 5	100
	Stantec	12/11/2014	MW48	---	---	**7,700**	**67**	21	< 20	440
	Stantec	3/20/2015	MW48	---	---	**12,000**	**120**	52	< 40	**1,900**
	Stantec	6/11/2015	MW48	---	---	**2,200**	< 1	4.5	< 1	110
	Stantec	9/23/2015	MW48	---	---	**5,400**	**5.9**	14	20	83
	Stantec	12/11/2015	MW48	---	---	**11,000**	**32**	30	61	480
	Stantec	2/8/2016	MW48	---	---	**1,800**	< 0.35	< 1	< 1	8.5
	Stantec	12/7/2016	MW48	---	---	**10,000**	**39**	18	170	967
	Farallon	3/24/2023	MW48-032423	---	---	120	< 1	< 1	< 1	< 3
	Farallon	3/26/2023	MW48-032623	---	---	---	---	---	---	---
MW57	SES	3/7/2012	MW57-20120307-BA	---	---	**2,100**	**9.7**	2.3	87	160
	SES	2/28/2013	MW57-20130228-PN	---	---	**3,100**	**25**	10	< 1	710
	Stantec	3/26/2014	MW57	---	---	**3,600**	< 1	9.1	51	410
	Stantec	12/11/2014	MW57	---	---	**4,700**	2.2	2.8	62	416
	Stantec	3/11/2015	MW57	---	---	110	< 1	< 1	2	11
	Stantec	6/9/2015	MW57	---	---	280	< 1	< 1	6.4	60
	Stantec	11/30/2016	MW57	---	---	**4,600**	3.4	2.7	18	284
	Farallon	3/24/2023	MW57-032423	---	---	**2,200**	4.9	2.7	58	210
MTCA Method A Cleanup Level for Groundwater[4]				**500**	**500**	**800/1,000[5]**	**5**	**1,000**	**700**	**1,000**

Table 3
Groundwater Analytical Results for TPH and BTEX
Former TOC
Mountlake Terrace, Washington
Farallon PN: 2584-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)						
				DRO[1]	ORO[1]	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Xylenes[3]
MW63	SES	3/8/2012	MW63-20120308-BL	---	---	< 100	< 1	< 1	< 1	< 3
	SES	6/6/2012	MW63-20120605-BL	---	---	< 100	< 1	< 1	< 1	< 3
	SES	9/11/2012	MW63-20120911-BL	---	---	100	< 1	< 1	< 1	< 3
	SES	12/4/2012	MW63-20121204-BL	---	---	< 100	< 1	< 1	< 1	< 3
	SES	2/19/2013	MW63-20130219-BL	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	6/25/2013	MW63-20130625-BL	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	9/5/2013	MW63-20130905-BL	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	12/4/2013	MW63-20131204-BL	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	4/1/2014	MW63	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	6/19/2014	MW63	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	9/23/2014	MW63	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	12/17/2014	MW63	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	3/20/2015	MW63	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	6/12/2015	MW63	---	---	< 100	2.9	1.2	< 1	3.5
	Stantec	9/25/2015	MW63	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	12/11/2015	MW63	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	2/16/2016	MW63	---	---	< 100	< 0.35	< 1	< 1	< 3
	Stantec	12/7/2016	MW63	---	---	< 100	< 0.35	< 1	< 1	< 3
	Farallon	3/24/2023	MW63-032423	---	---	< 100	< 1	< 1	< 1	< 3
MW69	SES	3/6/2012	MW69-20120306-BA	---	---	**5,400**	1.5	< 1	100	440
	SES	6/5/2012	MW69-20120605-BA	---	---	**9,700**	2.6	15	220	900
	SES	9/12/2012	MW69-20120912-PN	---	---	**7,900**	**7.2**	13	170	750
	SES	12/4/2012	MW69-20121204-PN	---	---	200	1.5	< 1	< 1	2.8
	SES	2/28/2013	MW69-20130228-PN	---	---	**7,600**	1.5	1.8	160	973
	Stantec	3/20/2015	MW69	---	---	**2,700**	< 1	1.9	32	140
	Stantec	6/10/2015	MW69	290	< 500	**3,100**	< 1	1.4	12	200
	Stantec	9/22/2015	MW69	**510**	< 250	**4,100**	< 1	1.3	< 1	230
	Stantec	12/10/2015	MW69	**530**	< 250	**2,700**	< 1	1.4	< 1	120
	Stantec	2/4/2016	MW69	**1,600** J	< 250	**3,700**	0.48	< 1	22	163.1
	Stantec	12/8/2016	MW69	**1,400** J	< 250	**8,500**	0.49	< 1	31	172.8
	Farallon	3/25/2023	MW69-032523	**1,300** X	< 250	**5,900**	**29**	5.5	7.7	10
MTCA Method A Cleanup Level for Groundwater[4]				**500**	**500**	**800/1,000[5]**	**5**	**1,000**	**700**	**1,000**

Table 3
Groundwater Analytical Results for TPH and BTEX
Former TOC
Mountlake Terrace, Washington
Farallon PN: 2584-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)						
				DRO[1]	ORO[1]	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Xylenes[3]
MW70	SES	3/6/2012	MW70-20120306-BA	---	---	280	**7.6**	< 1	< 1	4.1
	SES	6/5/2012	MW70-20120605-BA	---	---	< 100	2.3	< 1	< 1	< 3
	SES	9/12/2012	MW70-20120912-PN	---	---	< 100	2.1	< 1	< 1	< 3
	SES	12/4/2012	MW70-20121204-PN	---	---	< 100	1.5	< 1	< 1	< 3
	SES	2/28/2013	MW70-20130228-PN	---	---	< 100	< 0.35	< 1	< 1	< 3
	Stantec	9/4/2013	MW70-20130904-PN	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	3/30/2014	MW70	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	6/20/2014	MW70	85 J	< 300	< 100	< 1	< 1	< 1	< 3
	Stantec	9/19/2014	MW70	110	< 250	< 100	< 1	< 1	< 1	< 3
	Stantec	3/11/2015	MW70	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	6/10/2015	MW70	< 100	< 500	< 100	< 1	< 1	< 1	< 3
	Stantec	9/23/2015	MW70	< 50	< 250	< 100	< 1	< 1	< 1	< 3
	Stantec	12/10/2015	MW70	250	< 300	< 100	< 1	< 1	< 1	< 3
	Stantec	2/4/2016	MW70	< 50	< 250	590 J	< 0.35	< 1	< 1	< 3
	Stantec	11/30/2016	MW70	60 J	< 290	< 100	< 1	< 1	< 1	< 3
	Farallon	3/25/2023	MW70-032523	< 50	< 250	< 100	< 1	< 1	< 1	< 3
MW84	SES	3/7/2012	MW84-20120307-BL	---	---	680	< 1	1.6	5	14
	SES	6/5/2012	MW84-20120605-BL	---	---	**990**	< 1	2.5	11	28
	SES	9/11/2012	MW84-20120912-PN	---	---	**1,200**	2	2.9	8.5	28
	SES	12/5/2012	MW84-20121205-PN	---	---	**1,000**	0.45	< 1	17	41.3
	SES	2/28/2013	MW84-20130228-PN	---	---	**4,700**	1.9	2	160 J	551
	Stantec	7/12/2013	MW84-20130712-BL	---	---	240	< 0.35	< 1	1.1	3.9
	Stantec	9/17/2013	MW84-20130917-BL	---	---	130	< 1	< 1	1.1	< 3
	Stantec	12/3/2013	MW84-20131203-BL	---	---	**1,400**	< 0.35	< 1	7.3	31.2
	Stantec	3/30/2014	MW84	---	---	600	< 1	1.3	5.5	14
	Stantec	6/20/2014	MW84	---	---	**960**	< 1	< 1	5.9	17
	Stantec	9/23/2014	MW84	---	---	780	< 1	< 1	4.9	15
	Stantec	12/17/2014	MW84	---	---	620	< 0.35	< 1	2.3	8.7
	Stantec	3/16/2015	MW84	---	---	630	< 1	< 1	4.8	12
	Stantec	6/15/2015	MW84	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	9/24/2015	MW84	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	12/10/2015	MW84	< 70	< 350	< 100	< 1	< 1	< 1	< 3
	Stantec	2/17/2016	MW84	79	< 300	300	< 0.35	< 1	1.4	4.9
	Stantec	12/7/2016	MW84	94 J	< 250	240	< 0.35	< 1	< 1	< 3
	Farallon	3/25/2023	MW84-032523	62 X	< 250	200	< 1	< 1	< 1	< 3
MTCA Method A Cleanup Level for Groundwater[4]				**500**	**500**	**800/1,000[5]**	**5**	**1,000**	**700**	**1,000**

Table 3
Groundwater Analytical Results for TPH and BTEX
Former TOC
Mountlake Terrace, Washington
Farallon PN: 2584-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)						
				DRO[1]	ORO[1]	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Xylenes[3]
MW85	SES	3/6/2012	MW85-20120306-BL	---	---	< 100	3.1	< 1	< 1	< 3
	SES	6/5/2012	MW85-20120605-BL	---	---	< 100	1.8	< 1	< 1	< 3
	SES	9/11/2012	MW85-20120911-BL	---	---	< 100	1.4	< 1	< 1	< 3
	SES	12/4/2012	MW85-20121204-BL	---	---	< 100	< 0.35	< 1	< 1	< 3
	SES	2/19/2013	MW85-20130219-BL	---	---	< 100	0.46	< 1	< 1	< 3
	Stantec	6/25/2013	MW85-20130625-BL	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	9/4/2013	MW85-20130904-BL	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	12/3/2013	MW85-20131203-BL	---	---	< 100	< 0.35	< 1	< 1	< 3
	Stantec	4/1/2014	MW85	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	6/20/2014	MW85	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	9/24/2014	MW85	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	12/15/2014	MW85	---	---	< 100	< 0.35	< 1	< 1	< 2
	Stantec	3/18/2015	MW85	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	6/11/2015	MW85	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	9/24/2015	MW85	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	12/11/2015	MW85	< 100	< 500	< 100	< 1	< 1	< 1	< 3
	Stantec	2/17/2016	MW85	65	< 300	< 100	< 0.35	< 1	< 1	< 3
	Stantec	12/6/2016	MW85	< 50	< 250	< 100	< 0.35	< 1	< 1	< 3
	Farallon	3/24/2023	MW85-032523	< 60	< 300	< 100	< 1	< 1	< 1	< 3
MW86	SES	3/6/2012	MW86-20120306-BL	---	---	130	3.7	< 1	< 1	< 3
	SES	6/5/2012	MW86-20120605-BL	---	---	130	1.1	< 1	< 1	< 3
	SES	9/11/2012	MW86-20120911-BL	---	---	**1,600**	2.6	5.8	2.9	3.4
	SES	12/4/2012	MW86-20121204-BL	---	---	**860**	0.77	< 1	1.7	4.6
	SES	2/19/2013	MW86-20130219-BL	---	---	< 100	1.1	< 1	< 1	< 3
	Stantec	6/25/2013	MW86-20130625-BL	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	9/4/2013	MW86-20130904-BL	---	---	**1,100**	1.9	3.7	1.7	3.6
	Stantec	12/3/2013	MW86-20131203-BL	---	---	790	0.71	< 1	< 1	< 3
	Stantec	4/1/2014	MW86	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	6/20/2014	MW86	< 50	< 250	< 100	< 1	< 1	< 1	< 3
MTCA Method A Cleanup Level for Groundwater[4]				**500**	**500**	**800/1,000[5]**	**5**	**1,000**	**700**	**1,000**

Table 3
Groundwater Analytical Results for TPH and BTEX
Former TOC
Mountlake Terrace, Washington
Farallon PN: 2584-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)						
				DRO[1]	ORO[1]	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Xylenes[3]
MW86 (continued)	Stantec	9/24/2014	MW86	180 J	< 250	**1,000**	1.8	1.9	1.2	< 3
	Stantec	12/15/2014	MW86	< 50	< 250	< 100	< 0.35	< 1	< 1	< 2
	Stantec	3/18/2015	MW86	< 100	< 500	< 100	< 1	< 1	< 1	< 3
	Stantec	6/12/2015	MW86	< 100	< 500	< 100	1.1	< 1	< 1	< 3
	Stantec	9/25/2015	MW86	< 60	< 300	< 100	< 1	< 1	< 1	< 3
	Stantec	12/11/2015	MW86	< 65	< 330	< 100	< 1	< 1	< 1	< 3
	Stantec	2/17/2016	MW86	< 50	< 250	< 100	< 0.35	< 1	< 1	< 3
	Stantec	12/6/2016	MW86	77 J	< 250	< 100	< 0.35	< 1	< 1	< 3
	Farallon	3/25/2023	MW86-032523	< 75	< 380	< 100	< 1	< 1	< 1	< 3
MW89	SES	3/6/2012	MW89-20120306-BL	---	---	< 100	< 1	< 1	< 1	< 3
	SES	6/5/2012	MW89-20120605-BL	---	---	< 100	< 1	< 1	< 1	< 3
	SES	9/11/2012	MW89-20120911-BL	---	---	< 100	< 1	< 1	< 1	< 3
	SES	12/4/2012	MW89-20121204-BL	---	---	< 100	< 0.35	< 1	< 1	< 3
	SES	2/19/2013	MW89-20130219-BL	---	---	< 100	< 0.35	< 1	< 1	< 3
	Stantec	6/25/2013	MW89-20130626-B	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	9/4/2013	MW89-20130904-BL	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	12/3/2013	MW89-20131203-BL	---	---	< 100	< 0.35	< 1	< 1	1
	Stantec	4/1/2014	MW89	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	6/20/2014	MW89	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	9/23/2014	MW89	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	12/17/2014	MW89	---	---	< 100	< 0.35	< 1	< 1	< 2
	Stantec	3/18/2015	MW89	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	6/15/2015	MW89	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	9/24/2015	MW89	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	12/10/2015	MW89	< 60	< 300	< 100	< 1	< 1	< 1	< 3
	Stantec	2/17/2016	MW89	< 50	< 250	< 100	< 0.35	< 1	< 1	< 3
	Stantec	12/7/2016	MW89	< 50	< 250	< 100	< 0.35	< 1	< 1	< 3
	Farallon	3/25/2023	MW89-032523	< 75	< 380	< 100	< 1	< 1	< 1	< 3
MTCA Method A Cleanup Level for Groundwater[4]				**500**	**500**	**800/1,000[5]**	**5**	**1,000**	**700**	**1,000**

Table 3
Groundwater Analytical Results for TPH and BTEX
Former TOC
Mountlake Terrace, Washington
Farallon PN: 2584-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)						
				DRO[1]	ORO[1]	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Xylenes[3]
MW98	SES	3/8/2012	MW98-20120308-BA	---	---	**3,800**	**13**	4.6	56	130
	SES	2/28/2013	MW98-20130228-PN	---	---	770	**7.6**	1.5	13	44.5
	Stantec	3/30/2014	MW98	---	---	< 100	2.1	< 1	< 1	< 3
	Stantec	3/11/2015	MW98	---	---	600	4.5	2.3	11	43
	Stantec	6/9/2015	MW98	---	---	380	< 1	< 1	3.1	17
	Stantec	9/22/2015	MW98	---	---	< 100	< 1	< 1	< 1	< 3
	Stantec	12/10/2015	MW98	---	---	110	< 1	< 1	1.1	4.4
	Stantec	2/4/2016	MW98	---	---	290	0.71	< 1	2.6	8.6
	Stantec	11/30/2016	MW98	---	---	150	2.5	< 1	< 1	< 3
	Farallon	3/24/2023	MW98-032423	---	---	**930**	**9.6**	1.8	< 1	3.7
MTCA Method A Cleanup Level for Groundwater[4]				**500**	**500**	**800/1,000[5]**	**5**	**1,000**	**700**	**1,000**

NOTES:
Results in **bold** denote concentrations exceeding applicable cleanup levels.
< denotes analyte not detected at or exceeding the reporting limit listed.
--- denotes sample not analyzed.
[1]Analyzed by Northwest Method NWTPH-Dx.
[2]Analyzed by Northwest Method NWTPH-Gx.
[3]Analyzed by U.S. Environmental Protection Agency (EPA) Method 8021B or 8260C.
[4]Washington State Model Toxics Control Act Cleanup Regulation Method A Cleanup Levels for Groundwater, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as amended 2013.
[5]Cleanup level is 800 micrograms per liter if benzene is detected and 1,000 micrograms per liter if benzene is not detected.

BTEX = benzene, toluene, ethylbenzene, and xylenes
DRO = total petroleum hydrocarbons (TPH) as diesel-range organics
Farallon = Farallon Consulting, L.L.C.
GRO = TPH as gasoline-range organics
J = result is an estimate
ORO = TPH as oil-range organics
R = data rejected
SES = SoundEarth Strategies, Inc.
Stantec = Stantec Consulting Services, Inc.
X = the sample chromatographic pattern does not resemble the fuel standard used for quantitation

Table 4
Groundwater Analytical Results for Volatile Organic Compounds
Former TOC
Mountlake Terrace, Washington
Farallon PN: 2584-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)		
			1,2-Dibromoethane[1]	1,2-Dichloroethane[2]	Methyl Tertiary-Butyl Ether (MTBE)[2]
MW20	3/24/2023	MW20-032423	---	---	< 1
MW31	3/24/2023	MW31-032423	< 0.01	< 0.2	< 1
MW57	3/24/2023	MW57-032423	---	---	< 1
MW69	3/25/2023	MW69-032523	< 0.01	< 0.2	< 1
MW70	3/25/2023	MW70-032523	< 0.01	0.84	< 1
MW84	3/25/2023	MW84-032523	< 0.01	< 0.2	< 1
MW85	3/24/2023	MW85-032523	---	---	< 1
MW86	3/25/2023	MW86-032523	< 0.01	< 0.2	< 1
MW89	3/25/2023	MW89-032523	---	---	< 1
MW98	3/24/2023	MW98-032423	---	---	< 1
MTCA Cleanup Levels for Groundwater[3]			**0.01**	**5.0**	**20**

NOTES:

< denotes analyte not detected at or exceeding the reporting limit listed.

--- denotes sample not analyzed.

[1]Analyzed by U.S. Environmental Protection Agency (EPA) Method 8011 Modified.

[2]Analyzed by EPA Method 8260D Dual Acquisition.

[3]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Cleanup Levels for Groundwater, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013.

Table 5
Groundwater Analytical Results for Semivolatile Organic Compounds
Former TOC
Mountlake Terrace, Washington
Farallon PN: 2584-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]				
			2,4-Dimethylphenol	Bis(2-Ethylhexyl) Phthalate	Carbazole	Di-n-Butylphthalate	n-Nitrosodiphenylamine
MW20	3/24/2023	MW20-032423	3.4	< 3.2	< 0.02	< 2	< 0.2
MW31	3/24/2023	MW31-032423	< 2	**16** C	< 0.02	7.2	0.20
MW69	3/25/2023	MW69-032523	< 2	< 3.2	0.038	< 2	< 0.2
MW70	3/25/2023	MW70-032523	< 2	< 3.2	< 0.02	< 2	< 0.2
MW84	3/25/2023	MW84-032523	< 2	< 3.2	< 0.02	< 2	< 0.2
MW85	3/24/2023	MW85-032523	< 6	< 9.6	< 0.06	< 6	< 0.6
MW86	3/25/2023	MW86-032523	< 4	< 6.4	< 0.04	< 4	< 0.4
MW89	3/25/2023	MW89-032523	< 6	< 9.6	< 0.06	< 6	< 0.6
MTCA Cleanup Levels for Groundwater[2]			**320**	**6.3**	**NE**	**1,600**	**18**

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

< denotes analyte not detected at or exceeding the reporting limit listed.

[1]Analyzed by U.S. Environmental Protection Agency Method 8270E. Only detected analytes shown in table. See laboratory report for full list of analytes.

[2]Washington State Cleanup Levels and Risk Calculations (CLARC) under Washington State MTCA, Standard Method B Formula Values for Groundwater from CLARC Master spreadsheet, <https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC>.

C = analyte is a common field and laboratory contaminant

NE = not established

Table 6
Groundwater Analytical Results for PAHs
Former TOC
Mountlake Terrace, Washington
Farallon PN: 2584-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]																		
			Non-Carcinogenic PAHs											Carcinogenic PAHs							
			Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Total Naphthalenes[2]	Acenaphthene	Acenaphthylene	Anthracene	Benzo(g,h,i)Perylene	Fluoranthene	Fluorene	Phenanthrene	Pyrene	Benzo(a)Pyrene	Benzo(a)Anthracene	Benzo(b)Fluoranthene	Benzo(k)Fluoranthene	Chrysene	Dibenzo(a,h)Anthracene	Indeno(1,2,3-cd)Pyrene	Total cPAHs TEC[3,4]
MW20	3/24/2023	MW20-032423	9.7	1.7	2.5	13.9	< 0.02	< 0.02	< 0.02	< 0.04	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.015
MW31	3/24/2023	MW31-032423	< 0.2	< 0.2	< 0.2	< 0.6	< 0.02	< 0.02	< 0.02	< 0.04	0.095	< 0.02	0.091	0.33	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.015
MW69	3/25/2023	MW69-032523	6.9	19	35	60.9	0.11	< 0.02	< 0.02	< 0.04	< 0.02	0.077	0.064	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.015
MW70	3/25/2023	MW70-032523	< 0.2	< 0.2	< 0.2	< 0.6	< 0.02	< 0.02	< 0.02	< 0.04	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.015
MW84	3/25/2023	MW84-032523	< 0.2	0.22	< 0.2	0.22	< 0.02	< 0.02	< 0.02	< 0.04	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.015
MW85	3/24/2023	MW85-032523	< 0.6	< 0.6	< 0.6	< 1.8	< 0.06	< 0.06	< 0.06	< 0.12	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.045
MW86	3/25/2023	MW86-032523	< 0.4	< 0.4	< 0.4	< 1.2	< 0.04	< 0.04	< 0.04	< 0.08	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.030
MW89	3/25/2023	MW89-032523	< 0.6	< 0.6	< 0.6	< 1.8	< 0.06	< 0.06	< 0.06	< 0.12	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.045
MTCA Method A Cleanup Level for Groundwater[5]						**160**	**480[6]**	**NE**	**2,400[6]**	**NE**	**640[6]**	**320[6]**	**NE**	**240[6]**							**0.1**

NOTES:

< denotes analyte not detected at or exceeding the reporting limit listed.

[1]Analyzed by U.S. Environmental Protection Agency Method 8270E.

[2]Sum of naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene.

[3]Total carcinogenic polycyclic aromatic hydrocarbons derived using the total toxicity equivalency method in Section 708(8) of Chapter 173-340 of the Washington Administrative Code.

[4]For concentrations reported at less than the laboratory reporting limit, half the reporting limit was used to calculate the TEC.

[5]Washington State Model Toxics Control Act Cleanup Regulation Method A Cleanup Levels for Groundwater, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013, unless otherwise noted.

[6]Washington State Model Toxics Control Act Cleanup Regulation Cleanup Levels and Risk Calculations, Standard Method B Values for Groundwater, updated May 2019, <https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC>.

cPAHs = carcinogenic polycyclic aromatic hydrocarbons

NE = not established

PAHs = polycyclic aromatic hydrocarbons

TEC = toxic equivalent concentration

Table 7
Groundwater Analytical Results for Total and Dissolved Lead
Former TOC
Mountlake Terrace, Washington
Farallon PN: 2584-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]	
				Total Lead	Dissolved Lead
MW29	SES	2/28/2013	MW29-20130228-PN	8.79	3.19
	Stantec	3/30/2014	MW29	**30**	1.26
	Stantec	3/11/2015	MW29	**119**	2.91
	Stantec	2/3/2016	MW29	**37.3**	< 1
	Farallon	3/24/2023	MW29-032423	< 1	---
	Farallon	3/26/2023	MW29-032623	---	< 1
MW31	SES	3/7/2012	MW31-20120307-BA	**26.5**	**24.6**
	SES	2/28/2013	MW31-20130228-PN	**16.1**	9.28
	Stantec	6/26/2013	MW31-20130626-PN	**19.9**	3.09
	Stantec	6/11/2014	MW31	11.4	9.67
	Farallon	3/24/2023	MW31-032423	< 1	< 1
MW32	SES	2/28/2013	MW32-20130228-PN	9.37	3.94
	Stantec	3/30/2014	MW32	**45.2**	6.11
	Stantec	6/10/2014	MW32	4.03	2.97
	Stantec	9/18/2014	MW32	**62.2**	**50.8**
	Stantec	12/11/2014	MW32	14.9	---
	Stantec	3/11/2015	MW32	**28**	1.04
	Stantec	6/9/2015	MW32	**32.8**	1.18
	Stantec	9/22/2015	MW32	**120**	< 1
	Stantec	2/2/2016	MW32	6.01	1.26
	Stantec	11/29/2016	MW32	5.47	< 1
	Farallon	3/24/2023	MW32-032423	< 1	---
	Farallon	3/28/2023	MW-32-032823	---	1.35
MTCA Method A Cleanup Level for Groundwater[2]				**15**	

Table 7
Groundwater Analytical Results for Total and Dissolved Lead
Former TOC
Mountlake Terrace, Washington
Farallon PN: 2584-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]	
				Total Lead	Dissolved Lead
MW48	SES	2/20/2013	MW48-20130220-BA	5.58	4.07
	Stantec	3/23/2014	MW48	**52.6**	**48**
	Stantec	6/12/2014	MW48	3.91	2.46
	Stantec	9/18/2014	MW48	10.2	3.13
	Stantec	12/11/2014	MW48	10.5	8.14
	Stantec	3/20/2015	MW48	14.6	12.8
	Stantec	6/11/2015	MW48	7.06	1.2
	Stantec	9/23/2015	MW48	**16.8**	4.85
	Stantec	12/11/2015	MW48	**25.6**	13.4
	Stantec	2/8/2016	MW48	13.7	5.89
	Stantec	12/7/2016	MW48	5.48	4.52
	Farallon	3/24/2023	MW48-032423	3.35	---
	Farallon	3/26/2023	MW48-032623	---	< 1
MW69	Farallon	3/25/2023	MW69-032523	1.34	1.44
MW70	Stantec	6/20/2014	MW70	2.48	< 1
	Stantec	9/19/2014	MW70	< 1	< 1
	Stantec	6/10/2015	MW70	< 1	< 1
	Stantec	9/23/2015	MW70	< 1	< 1
	Stantec	12/10/2015	MW70	< 1	< 1
	Stantec	2/4/2016	MW70	< 1	< 1
	Stantec	11/30/2016	MW70	< 1	< 1
	Farallon	3/25/2023	MW70-032523	< 1	< 1
MW84	Stantec	12/7/2016	MW84	< 1	< 1
	Farallon	3/25/2023	MW84-032523	< 1	< 1
MTCA Method A Cleanup Level for Groundwater[2]				**15**	

Table 7
Groundwater Analytical Results for Total and Dissolved Lead
Former TOC
Mountlake Terrace, Washington
Farallon PN: 2584-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]	
				Total Lead	Dissolved Lead
MW85	SES	3/6/2012	MW85-20120306-BL	< 1	< 1
	Stantec	12/6/2016	MW85	< 1	< 1
MW86	Stantec	6/20/2014	MW86	< 1	< 1
	Stantec	9/24/2014	MW86	< 1	< 1
	Stantec	12/15/2014	MW86	< 1	< 1
	Stantec	3/18/2015	MW86	R	< 1
	Stantec	6/12/2015	MW86	< 1	< 1
	Stantec	9/25/2015	MW86	< 1	< 1
	Stantec	12/11/2015	MW86	< 1	< 1
	Stantec	2/17/2016	MW86	< 1	< 1
	Stantec	12/6/2016	MW86	3.82	< 1
	Farallon	3/25/2023	MW86-032523	< 1	< 1
MW98	SES	3/8/2012	MW98-20120308-BA	1.87	< 1
MTCA Method A Cleanup Level for Groundwater[2]				**15**	

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

< denotes analyte not detected at or exceeding the reporting limit listed.

--- denotes sample not analyzed.

Farallon = Farallon Consulting, L.L.C.

R = data rejected

SES = SoundEarth Strategies, Inc.

Stantec = Stantec Consulting Services, Inc.

[1]Analyzed by U.S. Environmental Protection Agency Method 200.8.

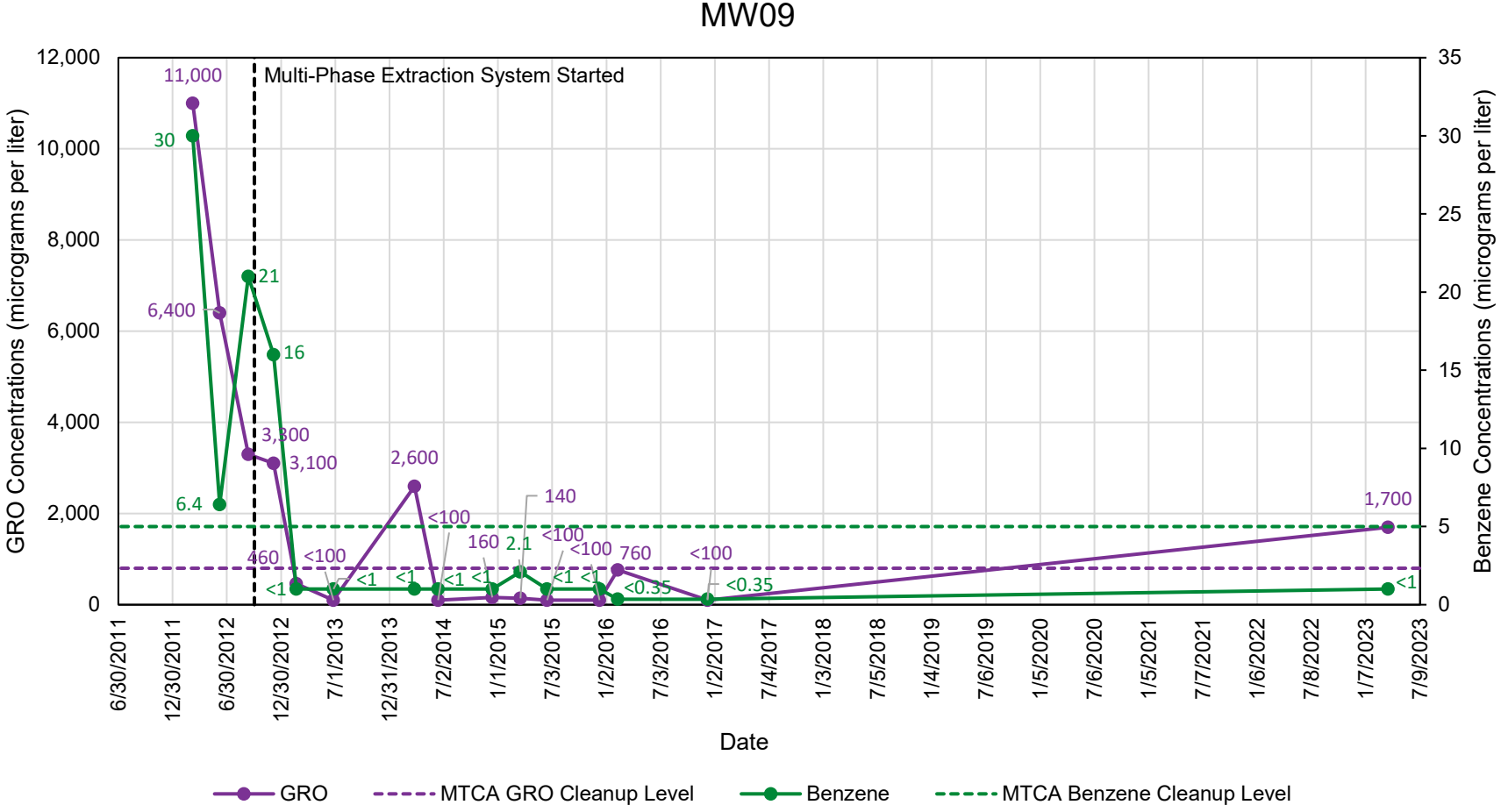
[2]Washington State Model Toxics Control Act Cleanup Regulation Method A Cleanup Levels for Groundwater, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as amended 2013.

CHARTS

ENVIRONMENTAL CONDITIONS SUMMARY
TOC Facility No. 01-176
24205 and 24225 56th Avenue West
Mountlake Terrace, Washington

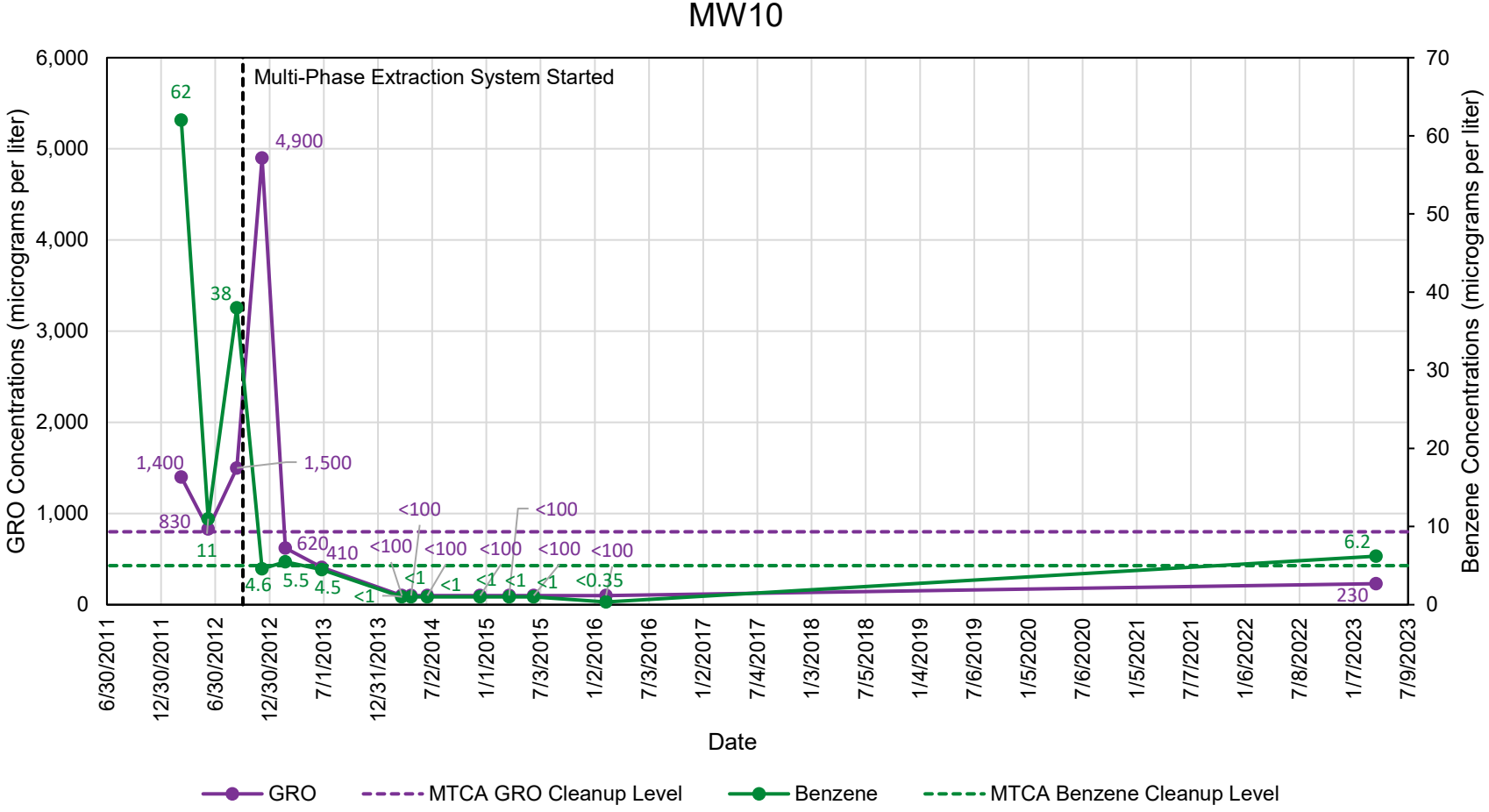
Farallon PN: 2584-001

Chart 1
Monitoring Well MW09 GRO and Benzene Concentrations Over Time
TOC Facility 01-176
Mountlake Terrace, Washington
Farallon PN: 2584-001



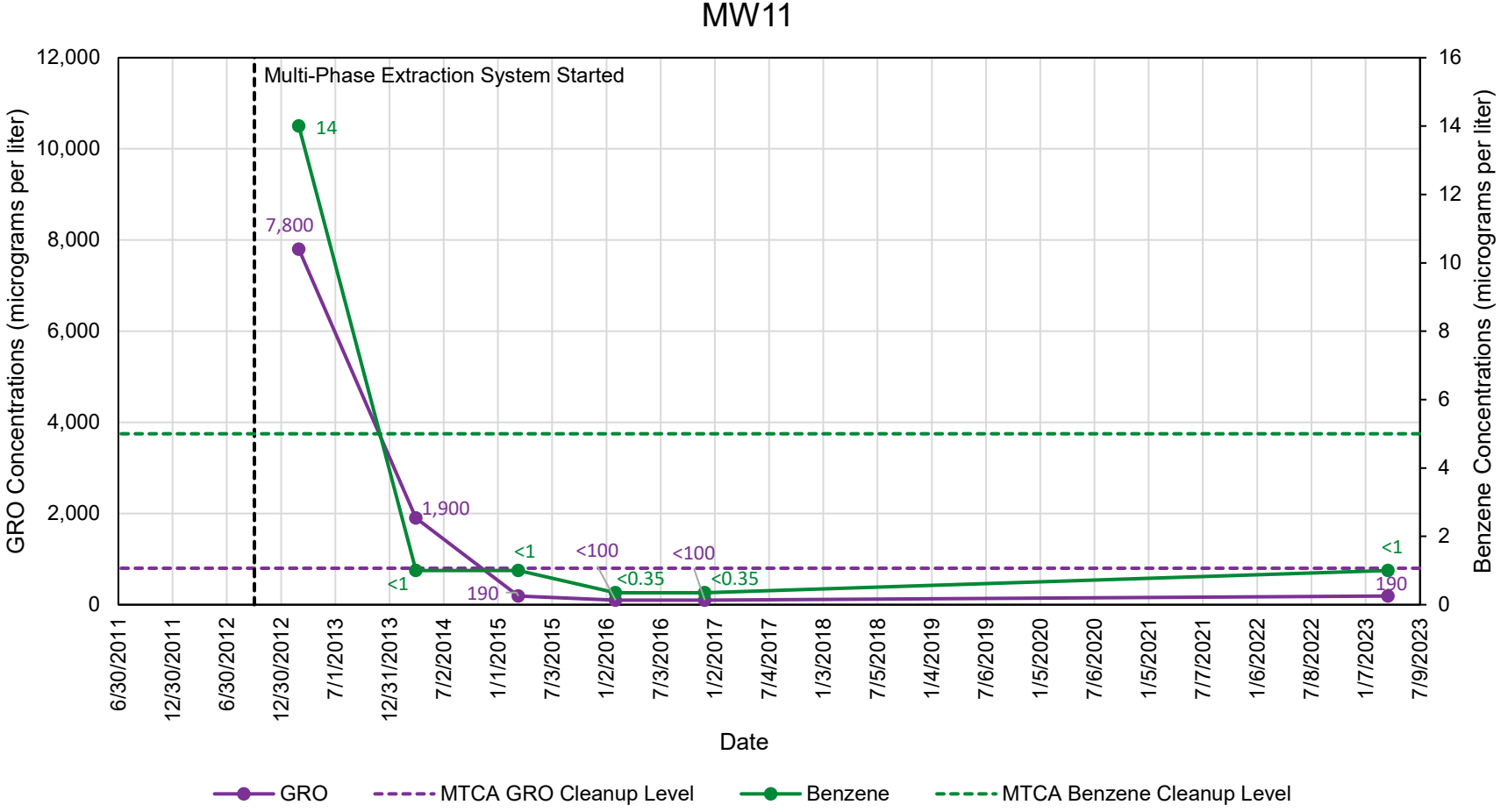
Notes:
GRO = total petroleum hydrocarbons (TPH) as gasoline-range organics
MTCA = Washington State Model Toxics Control Act Cleanup Regulation
< = denotes analyte not detected at or exceeding the listed laboratory reporting limit

Chart 2
Monitoring Well MW10 GRO and Benzene Concentrations Over Time
TOC Facility 01-176
Mountlake Terrace, Washington
Farallon PN: 2584-001



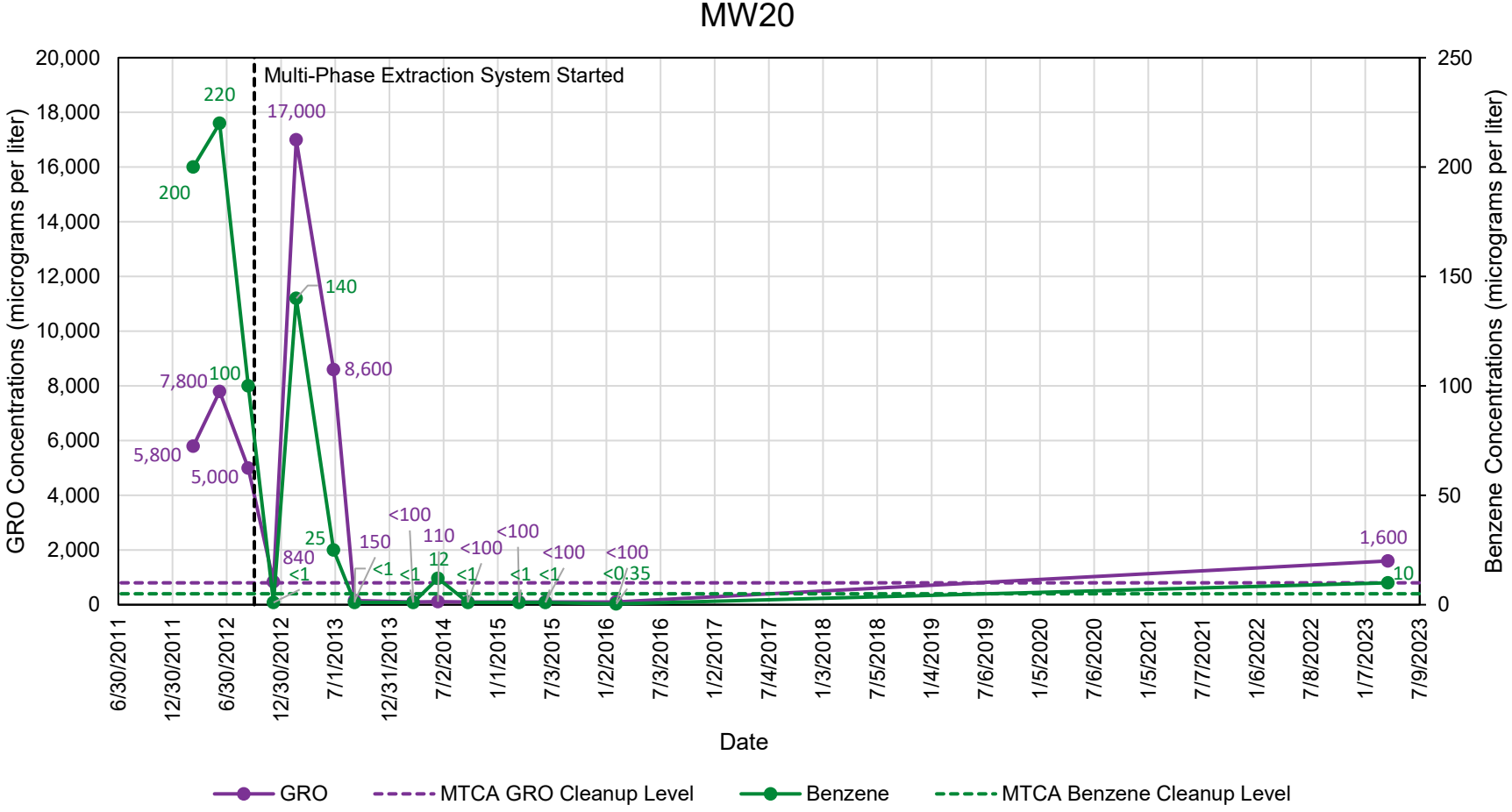
Notes:
GRO = total petroleum hydrocarbons (TPH) as gasoline-range organics
MTCA = Washington State Model Toxics Control Act Cleanup Regulation
< = denotes analyte not detected at or exceeding the listed laboratory reporting limit

Chart 3
Monitoring Well MW11 GRO and Benzene Concentrations Over Time
TOC Facility 01-176
Mountlake Terrace, Washington
Farallon PN: 2584-001



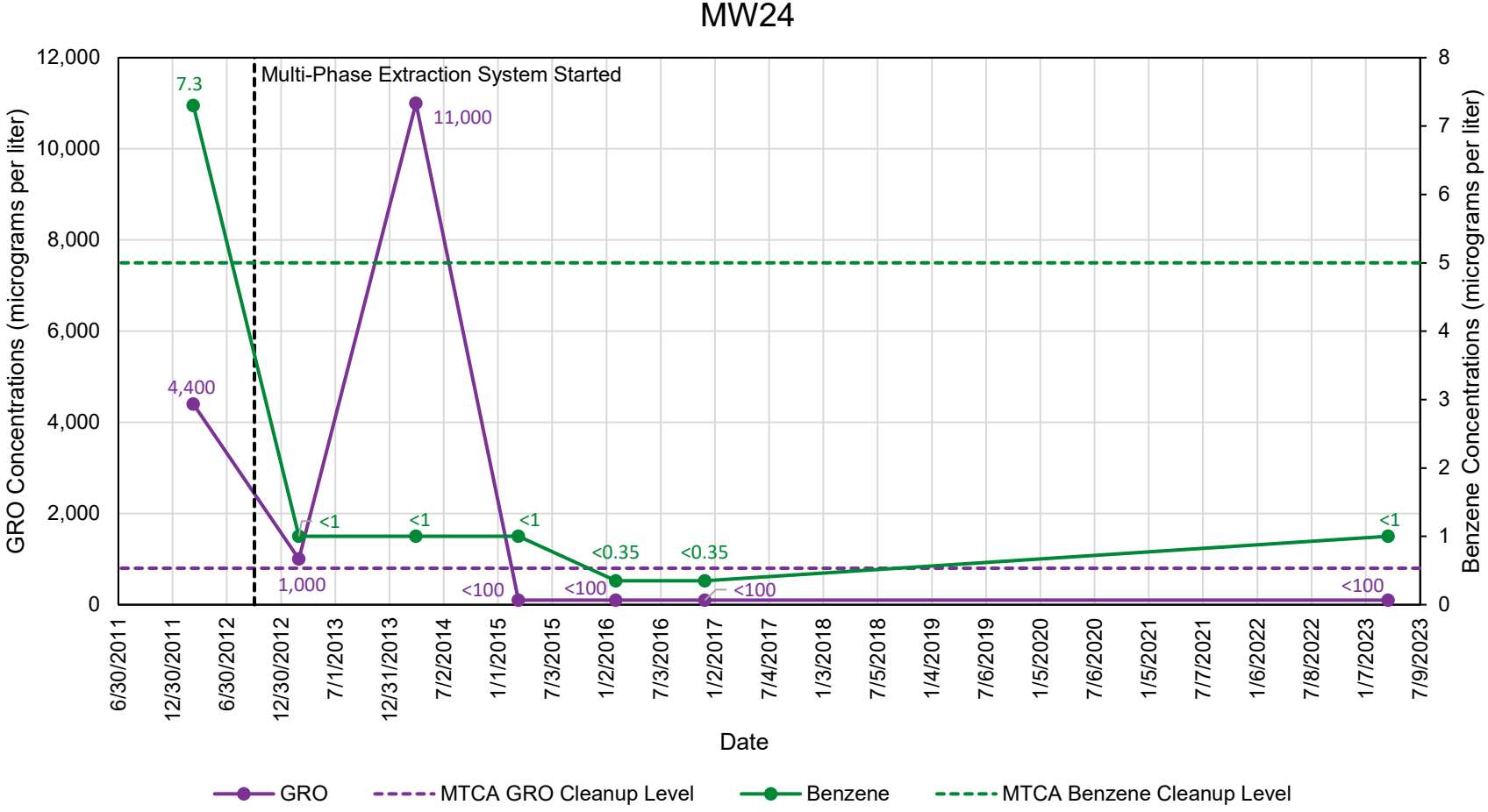
Notes:
GRO = total petroleum hydrocarbons (TPH) as gasoline-range organics
MTCA = Washington State Model Toxics Control Act Cleanup Regulation
< = denotes analyte not detected at or exceeding the listed laboratory reporting limit

Chart 4
Monitoring Well MW20 GRO and Benzene Concentrations Over Time
TOC Facility 01-176
Mountlake Terrace, Washington
Farallon PN: 2584-001



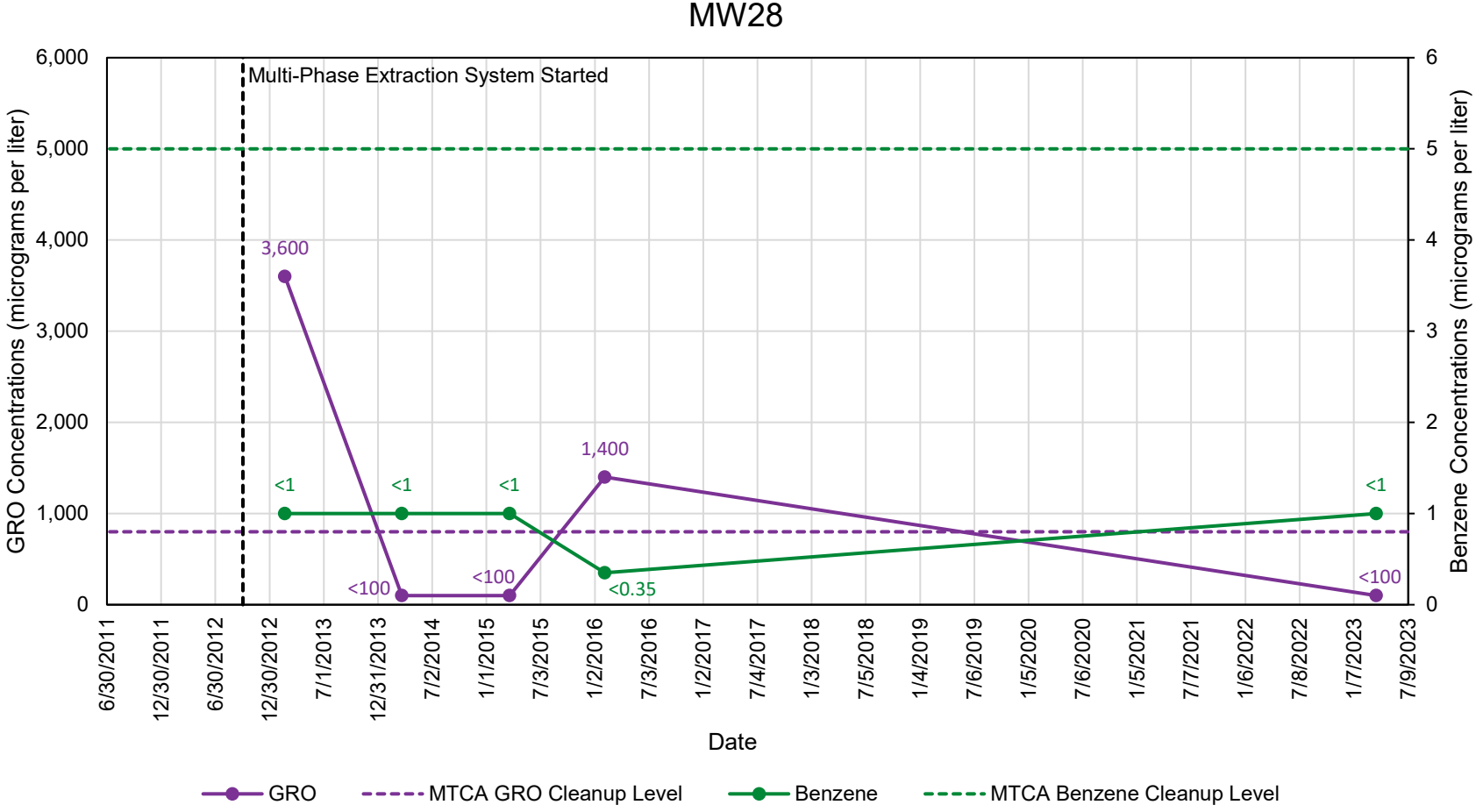
Notes:
GRO = total petroleum hydrocarbons (TPH) as gasoline-range organics
MTCA = Washington State Model Toxics Control Act Cleanup Regulation
< = denotes analyte not detected at or exceeding the listed laboratory reporting limit

Chart 5
Monitoring Well MW24 GRO and Benzene Concentrations Over Time
TOC Facility 01-176
Mountlake Terrace, Washington
Farallon PN: 2584-001



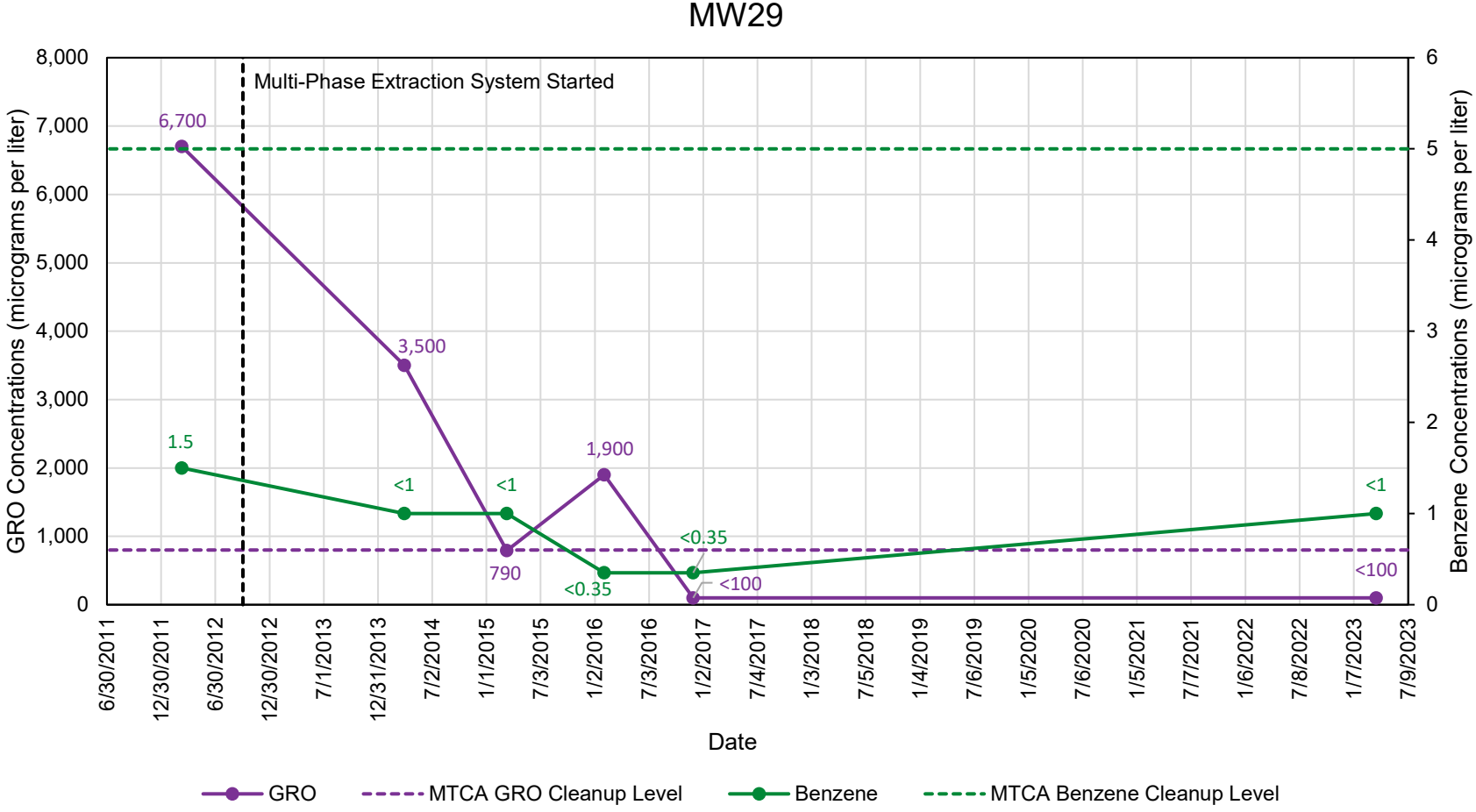
Notes:
GRO = total petroleum hydrocarbons (TPH) as gasoline-range organics
MTCA = Washington State Model Toxics Control Act Cleanup Regulation
< = denotes analyte not detected at or exceeding the listed laboratory reporting limit

Chart 6
Monitoring Well MW28 GRO and Benzene Concentrations Over Time
TOC Facility 01-176
Mountlake Terrace, Washington
Farallon PN: 2584-001



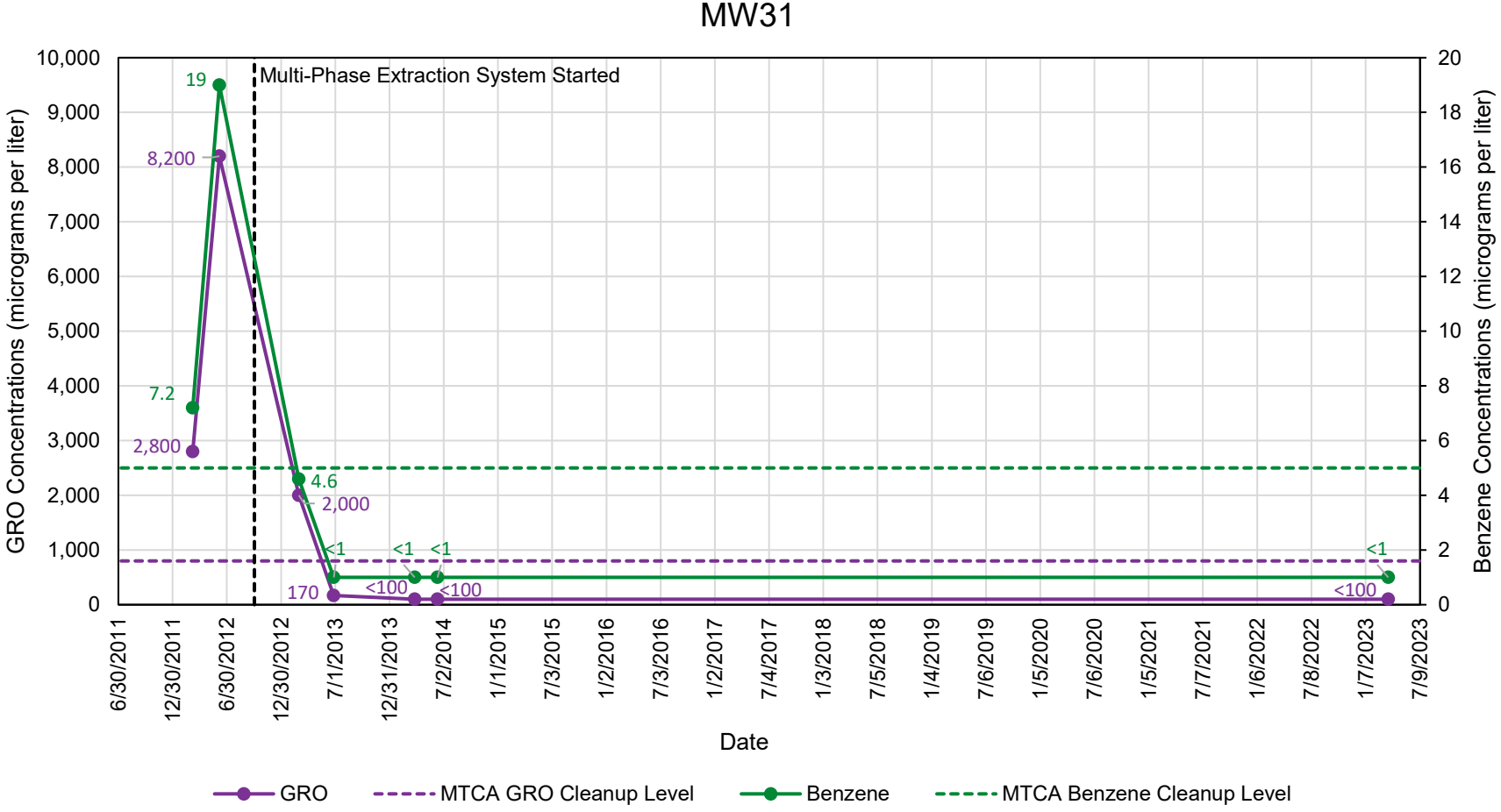
Notes:
GRO = total petroleum hydrocarbons (TPH) as gasoline-range organics
MTCA = Washington State Model Toxics Control Act Cleanup Regulation
< = denotes analyte not detected at or exceeding the listed laboratory reporting limit

Chart 7
Monitoring Well MW29 GRO and Benzene Concentrations Over Time
TOC Facility 01-176
Mountlake Terrace, Washington
Farallon PN: 2584-001



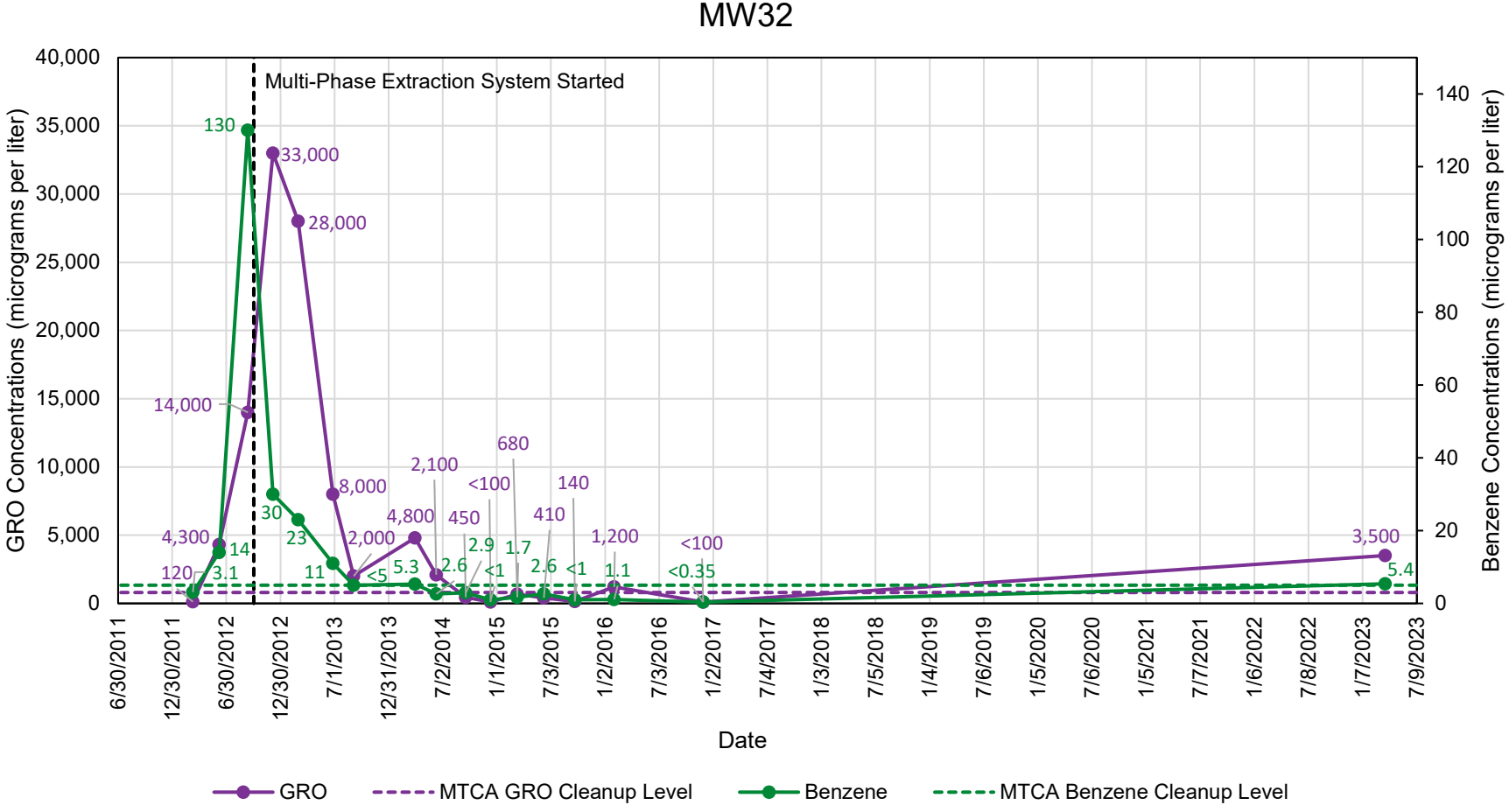
Notes:
GRO = total petroleum hydrocarbons (TPH) as gasoline-range organics
MTCA = Washington State Model Toxics Control Act Cleanup Regulation
< = denotes analyte not detected at or exceeding the listed laboratory reporting limit

Chart 8
Monitoring Well MW31 GRO and Benzene Concentrations Over Time
TOC Facility 01-176
Mountlake Terrace, Washington
Farallon PN: 2584-001



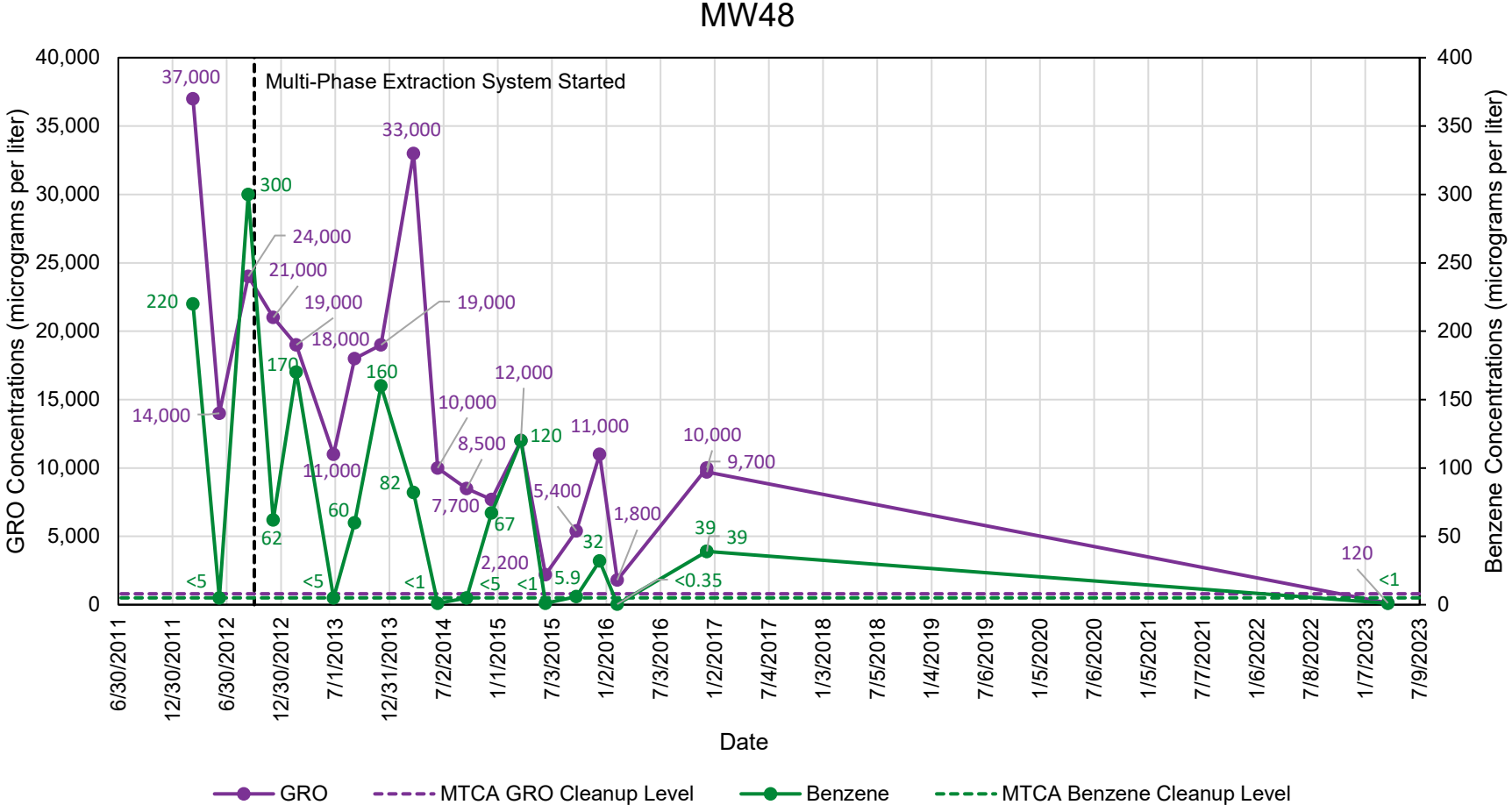
Notes:
GRO = total petroleum hydrocarbons (TPH) as gasoline-range organics
MTCA = Washington State Model Toxics Control Act Cleanup Regulation
< = denotes analyte not detected at or exceeding the listed laboratory reporting limit

Chart 9
Monitoring Well MW32 GRO and Benzene Concentrations Over Time
TOC Facility 01-176
Mountlake Terrace, Washington
Farallon PN: 2584-001



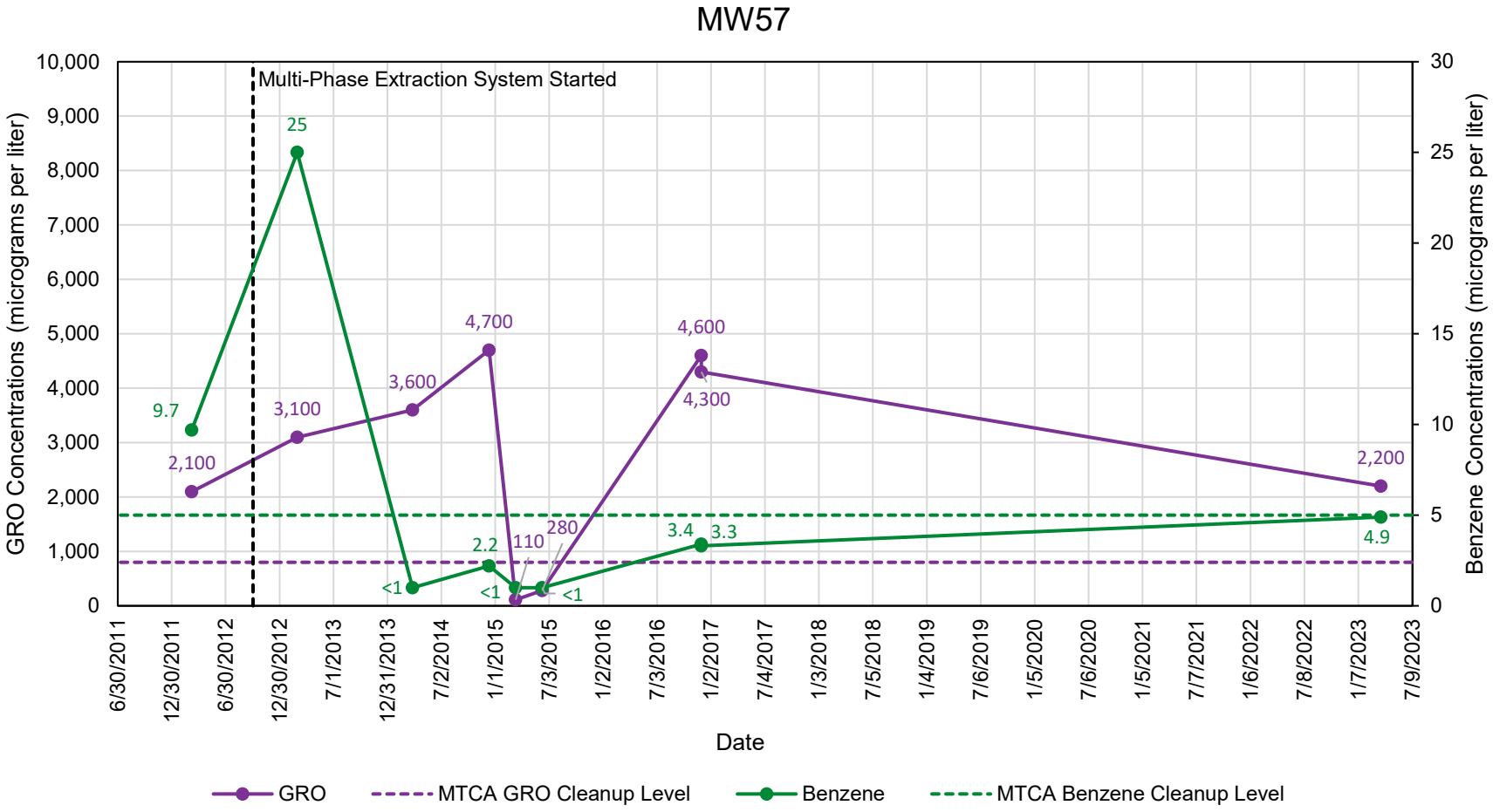
Notes:
GRO = total petroleum hydrocarbons (TPH) as gasoline-range organics
MTCA = Washington State Model Toxics Control Act Cleanup Regulation
< = denotes analyte not detected at or exceeding the listed laboratory reporting limit

Chart 10
Monitoring Well MW48 GRO and Benzene Concentrations Over Time
TOC Facility 01-176
Mountlake Terrace, Washington
Farallon PN: 2584-001



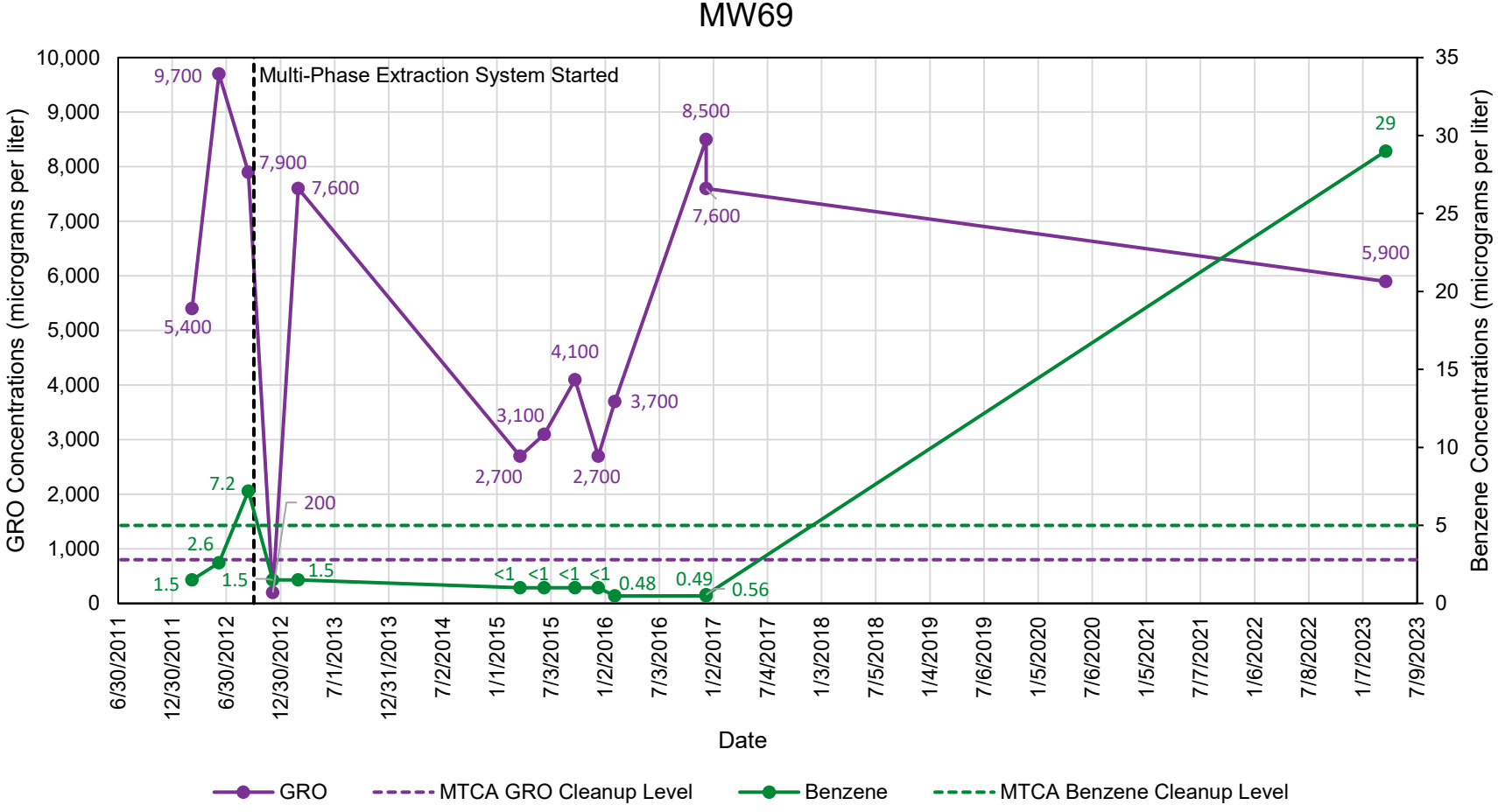
Notes:
GRO = total petroleum hydrocarbons (TPH) as gasoline-range organics
MTCA = Washington State Model Toxics Control Act Cleanup Regulation
< = denotes analyte not detected at or exceeding the listed laboratory reporting limit

Chart 11
Monitoring Well MW57 GRO and Benzene Concentrations Over Time
TOC Facility 01-176
Mountlake Terrace, Washington
Farallon PN: 2584-001



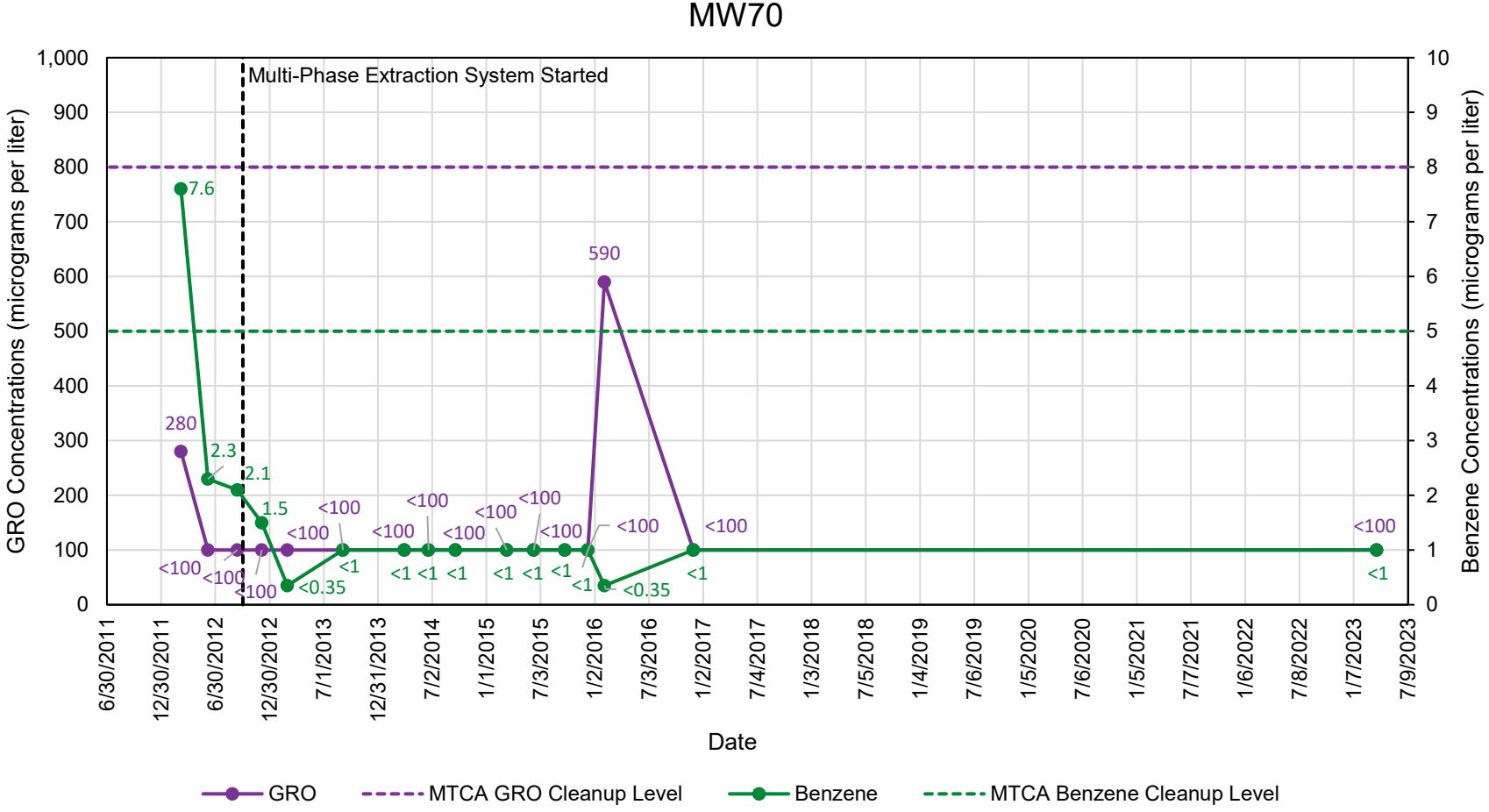
Notes:
GRO = total petroleum hydrocarbons (TPH) as gasoline-range organics
MTCA = Washington State Model Toxics Control Act Cleanup Regulation
< = denotes analyte not detected at or exceeding the listed laboratory reporting limit

Chart 12
Monitoring Well MW69 GRO and Benzene Concentrations Over Time
TOC Facility 01-176
Mountlake Terrace, Washington
Farallon PN: 2584-001



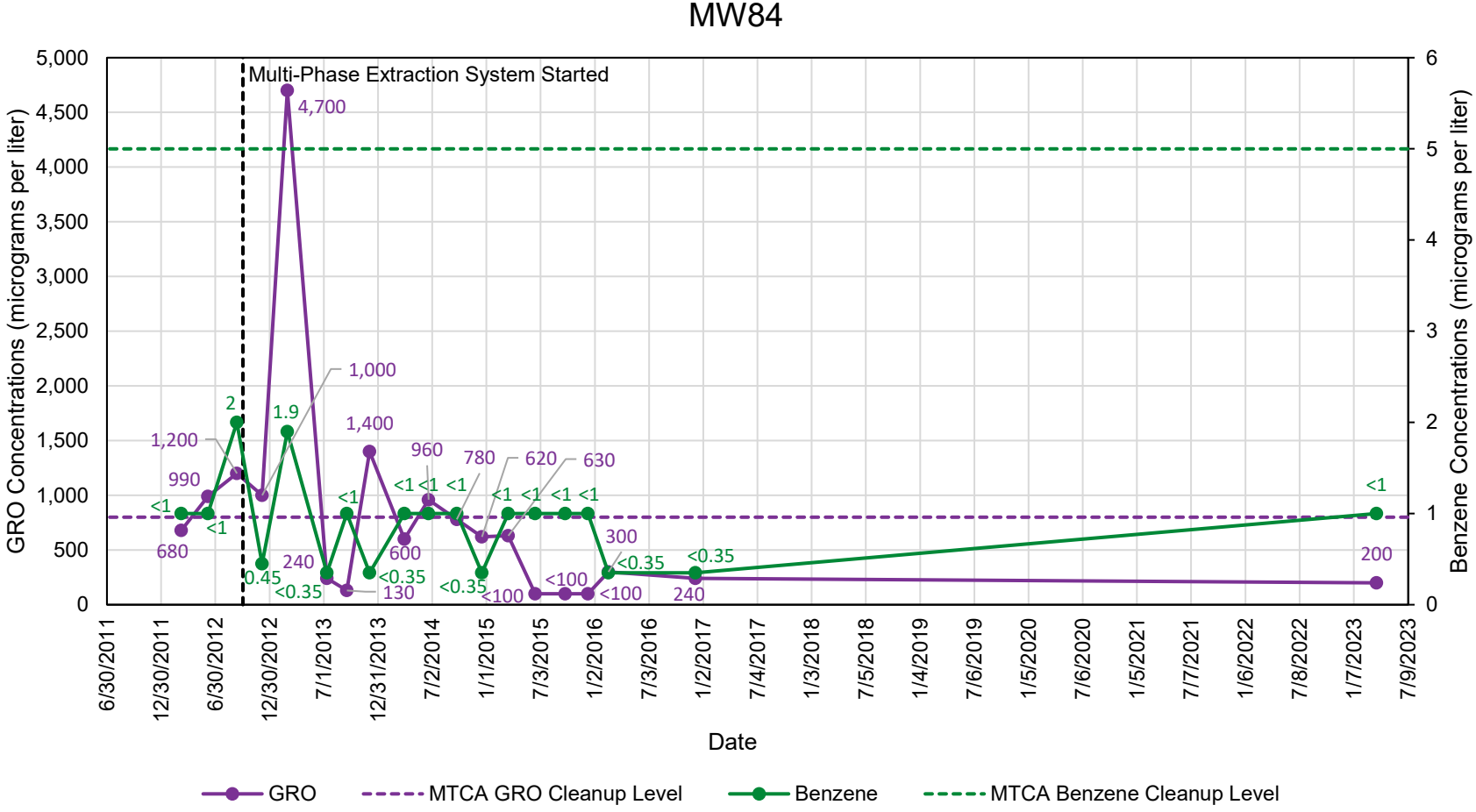
Notes:
GRO = total petroleum hydrocarbons (TPH) as gasoline-range organics
MTCA = Washington State Model Toxics Control Act Cleanup Regulation
< = denotes analyte not detected at or exceeding the listed laboratory reporting limit

Chart 13
Monitoring Well MW70 GRO and Benzene Concentrations Over Time
TOC Facility 01-176
Mountlake Terrace, Washington
Farallon PN: 2584-001



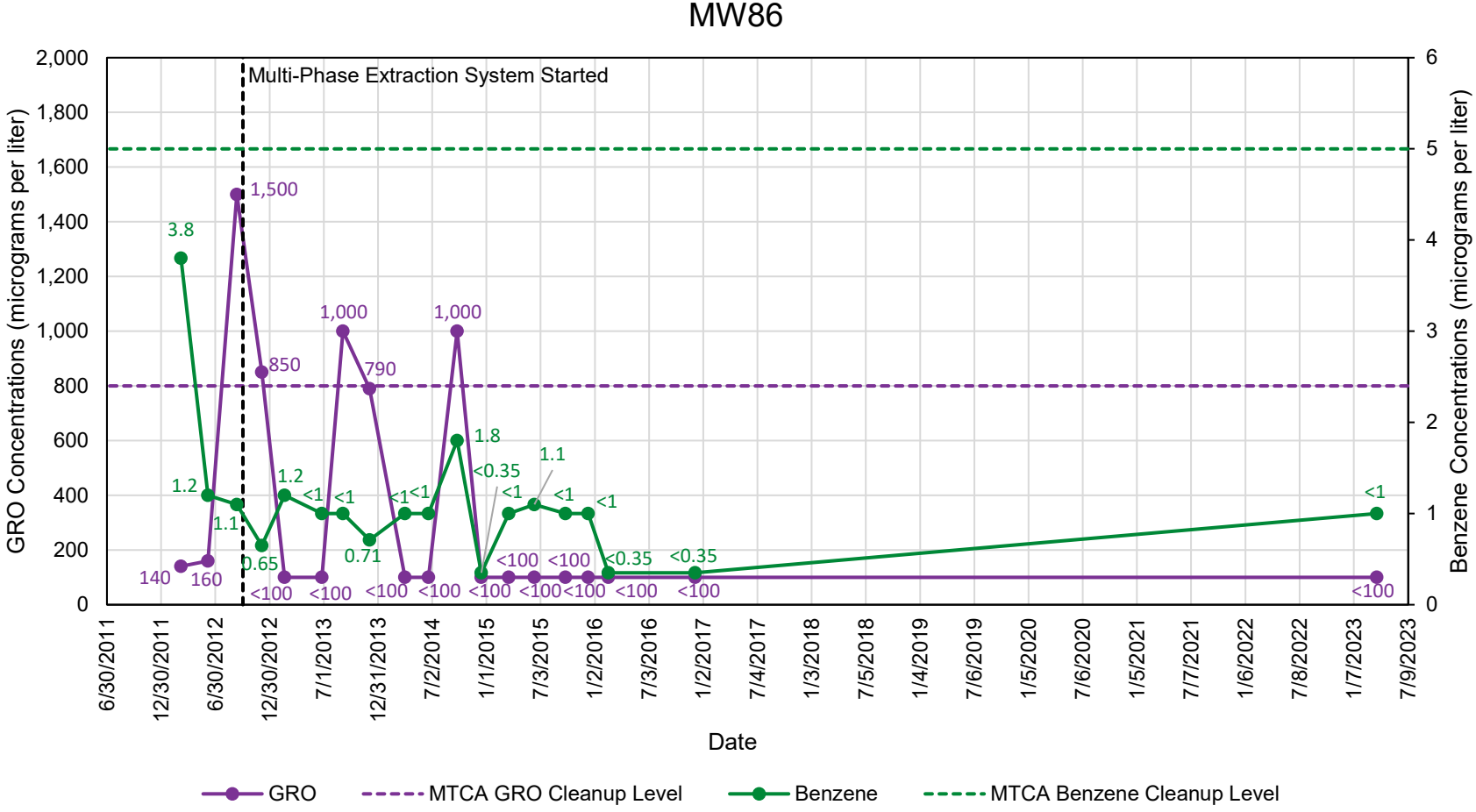
Notes:
GRO = total petroleum hydrocarbons (TPH) as gasoline-range organics
MTCA = Washington State Model Toxics Control Act Cleanup Regulation
< = denotes analyte not detected at or exceeding the listed laboratory reporting limit

Chart 14
Monitoring Well MW84 GRO and Benzene Concentrations Over Time
TOC Facility 01-176
Mountlake Terrace, Washington
Farallon PN: 2584-001



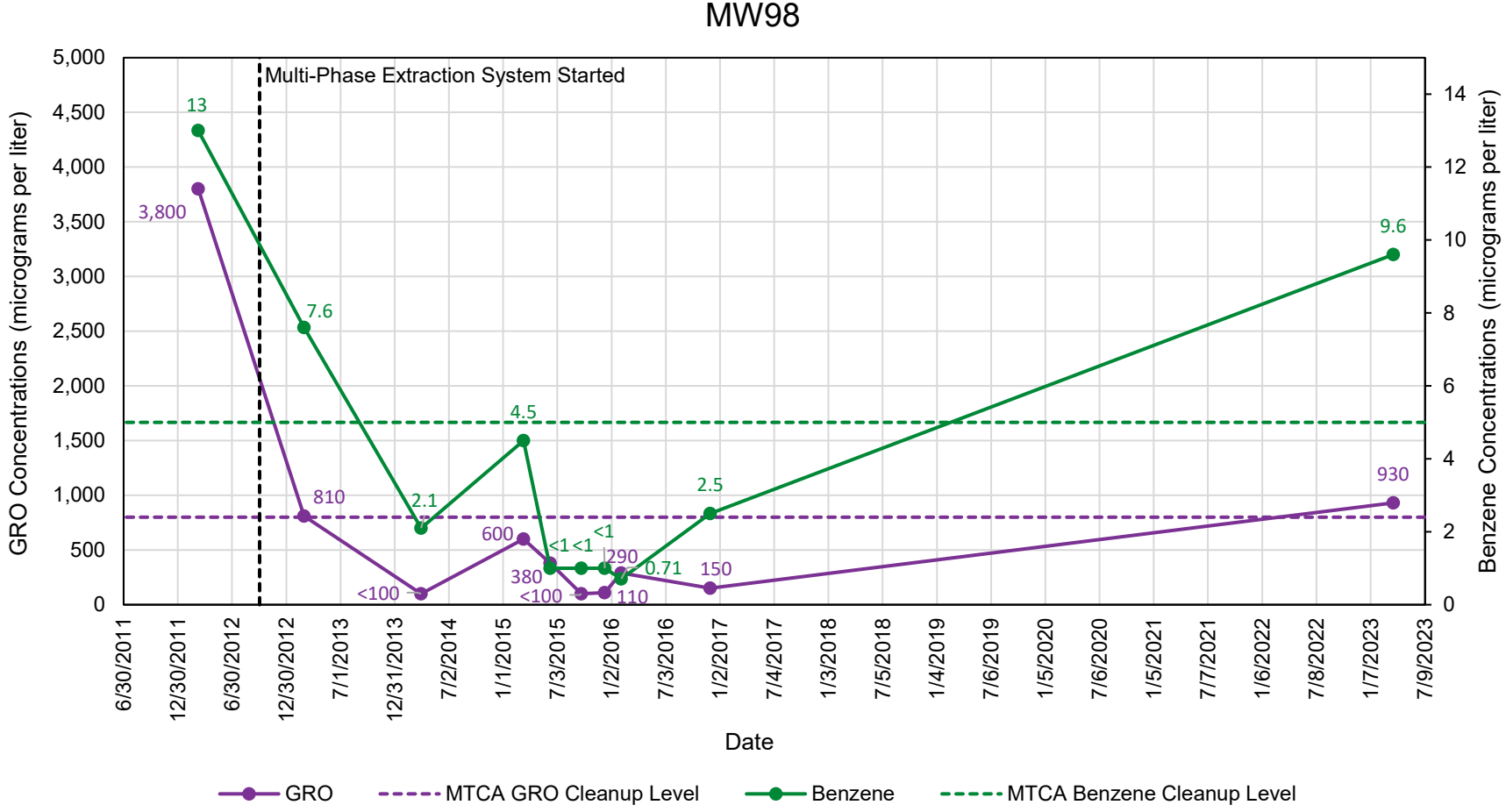
Notes:
GRO = total petroleum hydrocarbons (TPH) as gasoline-range organics
MTCA = Washington State Model Toxics Control Act Cleanup Regulation
< = denotes analyte not detected at or exceeding the listed laboratory reporting limit

Chart 15
Monitoring Well MW86 GRO and Benzene Concentrations Over Time
TOC Facility 01-176
Mountlake Terrace, Washington
Farallon PN: 2584-001



Notes:
GRO = total petroleum hydrocarbons (TPH) as gasoline-range organics
MTCA = Washington State Model Toxics Control Act Cleanup Regulation
< = denotes analyte not detected at or exceeding the listed laboratory reporting limit

Chart 16
Monitoring Well MW98 GRO and Benzene Concentrations Over Time
TOC Facility 01-176
Mountlake Terrace, Washington
Farallon PN: 2584-001



Notes:
GRO = total petroleum hydrocarbons (TPH) as gasoline-range organics
MTCA = Washington State Model Toxics Control Act Cleanup Regulation
< = denotes analyte not detected at or exceeding the listed laboratory reporting limit

ATTACHMENT A
2023 GROUNDWATER MONITORING LABORATORY ANALYTICAL REPORTS

ENVIRONMENTAL CONDITIONS SUMMARY
TOC Facility No. 01-176
24205 and 24225 56th Avenue West
Mountlake Terrace, Washington

Farallon PN: 2584-001

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

March 31, 2023

Stuart Brown, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

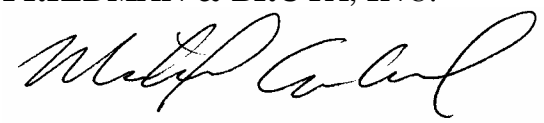
Dear Mr Brown:

Included are the results from the testing of material submitted on March 27, 2023 from the Former TOC Facility 2584-001, F&BI 303426 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0331R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 27, 2023 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Former TOC Facility 2584-001, F&BI 303426 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
303426 -01	MW48-032623
303426 -02	MW29-032623

All quality control requirements were acceptable.

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW48-032623	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/27/23	Lab ID:	303426-01
Date Analyzed:	03/27/23	Data File:	303426-01.109
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW29-032623	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/27/23	Lab ID:	303426-02
Date Analyzed:	03/27/23	Data File:	303426-02.112
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Former TOC Facility 2584-001
Date Extracted:	03/27/23	Lab ID:	I3-233 mb
Date Analyzed:	03/27/23	Data File:	I3-233 mb.089
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Lead	<1

Date of Report: 03/31/23
Date Received: 03/27/23
Project: Former TOC Facility 2584-001, F&BI 303426

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED METALS USING EPA METHOD 200.8

Laboratory Code: 303426-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	ug/L (ppb)	10	<1	90	90	70-130	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	ug/L (ppb)	10	97	85-115

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased high; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

303426

SAMPLE CHAIN OF CUSTODY

ME 03-27-23 L2

Page # 1 of 1

Report To Stuart Braun

Company Furallon

Address 975 5th Ave NW

City, State, ZIP Issaquah WA 98027

Phone 425 295 0800 Email sbraun

SAMPLERS (*signature*) Max-Henry Nilsson

PROJECT NAME: Former TOC Facility

PO #: 2584-001

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: HP

TURNAROUND TIME
- ☑ Standard turnaround
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	dissolved lead EPA 200.8				Notes
MW48-032623	01	3/26/23	1110	water	1								X				Field Filtered
MW29-032623	02	3/26/23	1200	↓	1								X				Field Filtered

Samples received at 4 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Max-Henry Nilsson	Max-Henry Nilsson	Furallon	3/27/23	0800
~~Received by:~~	Michael Erdahl	F&B Inc	3/27/23	0800
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

April 4, 2023

Stuart Brown, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Brown:

Included are the results from the testing of material submitted on March 27, 2023 from the Former TOC Facility 2584-001, F&BI 303427 project. There are 51 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0404R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 27, 2023 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Former TOC Facility 2584-001, F&BI 303427 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
303427 -01	MW9-032323
303427 -02	MW10-032323
303427 -03	MW22-032323
303427 -04	MW28-032423
303427 -05	MW24-032423
303427 -06	MW29-032423
303427 -07	MW11-032423
303427 -08	MW32-032423
303427 -09	MW20-032423
303427 -10	MW31-032423
303427 -11	MW57-032423
303427 -12	MW45-032423
303427 -13	MW48-032423
303427 -14	MW98-032423
303427 -15	MW63-032423
303427 -16	MW85-032423
303427 -17	MW84-032523
303427 -18	MW69-032523
303427 -19	MW89-032523
303427 -20	MW70-032523
303427 -21	MW86-032523
303427 -22	Trip blank

The dissolved metals were filtered at Friedman and Bruya. The data were flagged accordingly.

Benzoic acid in the 8270E laboratory control sample duplicate exceeded the acceptance criteria. The compound was not detected, therefore the data were acceptable.

All other quality control requirements were acceptable.

Date of Report: 04/04/23
Date Received: 03/27/23
Project: Former TOC Facility 2584-001, F&BI 303427
Date Extracted: 03/29/23
Date Analyzed: 03/29/23

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 8021B AND NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
MW9-032323 303427-01	<1	2.1	39	100	1,700	124
MW10-032323 303427-02	6.2	<1	<1	<3	230	111
MW22-032323 303427-03	<1	<1	<1	<3	<100	118
MW28-032423 303427-04	<1	<1	<1	<3	<100	104
MW24-032423 303427-05	<1	<1	<1	<3	<100	107
MW29-032423 303427-06	<1	<1	<1	<3	<100	123
MW11-032423 303427-07	<1	<1	6.3	22	190	115
MW32-032423 303427-08 1/5	5.4	6.4	88	44	3,500	111
MW20-032423 303427-09	10	7.4	55	140	1,600	120
MW31-032423 303427-10	<1	<1	<1	<3	<100	115
MW57-032423 303427-11	4.9	2.7	58	210	2,200	125

Date of Report: 04/04/23
Date Received: 03/27/23
Project: Former TOC Facility 2584-001, F&BI 303427
Date Extracted: 03/29/23
Date Analyzed: 03/29/23

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 8021B AND NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
MW48-032423 303427-13	<1	<1	<1	<3	120	108
MW98-032423 303427-14	9.6	1.8	<1	3.7	930	128
MW63-032423 303427-15	<1	<1	<1	<3	<100	110
MW85-032423 303427-16	<1	<1	<1	<3	<100	118
MW84-032523 303427-17	<1	<1	<1	<3	200	114
MW69-032523 303427-18	29	5.5	7.7	10	5,900	149
MW89-032523 303427-19	<1	<1	<1	<3	<100	110
MW70-032523 303427-20	<1	<1	<1	<3	<100	114

Date of Report: 04/04/23
Date Received: 03/27/23
Project: Former TOC Facility 2584-001, F&BI 303427
Date Extracted: 03/29/23
Date Analyzed: 03/29/23

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 8021B AND NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
MW86-032523 303427-21	<1	<1	<1	<3	<100	108
Method Blank 03-662 MB	<1	<1	<1	<3	<100	103
Method Blank 03-661 MB	<1	<1	<1	<3	<100	77

Date of Report: 04/04/23
Date Received: 03/27/23
Project: Former TOC Facility 2584-001, F&BI 303427
Date Extracted: 03/28/23
Date Analyzed: 03/28/23

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
MW20-032423 303427-09	300 x	<250	111
MW31-032423 303427-10	<50	<250	124
MW85-032423 303427-16	<60	<300	105
MW84-032523 303427-17	62 x	<250	106
MW69-032523 303427-18	1,300 x	<250	82
MW89-032523 303427-19	<75	<380	108
MW70-032523 303427-20	<50	<250	107
MW86-032523 303427-21	<75	<380	109
Method Blank 03-810 MB	<50	<250	134

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW31-032423 f	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/28/23	Lab ID:	303427-10
Date Analyzed:	03/28/23	Data File:	303427-10.165
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW84-032523 f	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/28/23	Lab ID:	303427-17
Date Analyzed:	03/28/23	Data File:	303427-17.179
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW69-032523 f	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/28/23	Lab ID:	303427-18
Date Analyzed:	03/28/23	Data File:	303427-18.184
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Lead	1.44

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW70-032523 f	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/28/23	Lab ID:	303427-20
Date Analyzed:	03/28/23	Data File:	303427-20.185
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW86-032523 f	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/28/23	Lab ID:	303427-21
Date Analyzed:	03/28/23	Data File:	303427-21.186
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	Method Blank f	Client:	Farallon Consulting, LLC
Date Received:	NA	Project:	Former TOC Facility 2584-001
Date Extracted:	03/28/23	Lab ID:	I3-232 mb2
Date Analyzed:	03/28/23	Data File:	I3-232 mb2.121
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW29-032423	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/28/23	Lab ID:	303427-06
Date Analyzed:	03/28/23	Data File:	303427-06.187
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW32-032423	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/28/23	Lab ID:	303427-08
Date Analyzed:	03/28/23	Data File:	303427-08.190
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW31-032423	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/28/23	Lab ID:	303427-10
Date Analyzed:	03/28/23	Data File:	303427-10.191
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW48-032423	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/28/23	Lab ID:	303427-13
Date Analyzed:	03/29/23	Data File:	303427-13.195
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Lead	3.35

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW84-032523	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/28/23	Lab ID:	303427-17
Date Analyzed:	03/29/23	Data File:	303427-17.196
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW69-032523	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/28/23	Lab ID:	303427-18
Date Analyzed:	03/29/23	Data File:	303427-18.197
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Lead	1.34

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW70-032523	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/28/23	Lab ID:	303427-20
Date Analyzed:	03/29/23	Data File:	303427-20.198
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW86-032523	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/28/23	Lab ID:	303427-21
Date Analyzed:	03/29/23	Data File:	303427-21.199
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	NA	Project:	Former TOC Facility 2584-001
Date Extracted:	03/28/23	Lab ID:	I3-238 mb
Date Analyzed:	03/28/23	Data File:	I3-238 mb.122
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Lead	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW20-032423	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/29/23	Lab ID:	303427-09
Date Analyzed:	03/29/23	Data File:	032913.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	71	132
Toluene-d8	106	68	139
4-Bromofluorobenzene	101	62	136

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW31-032423	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/29/23	Lab ID:	303427-10
Date Analyzed:	03/29/23	Data File:	032914.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	71	132
Toluene-d8	104	68	139
4-Bromofluorobenzene	100	62	136

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
1,2-Dichloroethane (EDC)	<0.2

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW57-032423	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/29/23	Lab ID:	303427-11
Date Analyzed:	03/29/23	Data File:	032915.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	108	71	132
Toluene-d8	109	68	139
4-Bromofluorobenzene	99	62	136

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW98-032423	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/29/23	Lab ID:	303427-14
Date Analyzed:	03/29/23	Data File:	032916.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	71	132
Toluene-d8	106	68	139
4-Bromofluorobenzene	99	62	136

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW85-032423	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/29/23	Lab ID:	303427-16
Date Analyzed:	03/29/23	Data File:	032917.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	71	132
Toluene-d8	92	68	139
4-Bromofluorobenzene	101	62	136

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW84-032523	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/29/23	Lab ID:	303427-17
Date Analyzed:	03/29/23	Data File:	032918.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	109	71	132
Toluene-d8	105	68	139
4-Bromofluorobenzene	104	62	136

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
1,2-Dichloroethane (EDC)	<0.2

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW69-032523	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/29/23	Lab ID:	303427-18
Date Analyzed:	03/29/23	Data File:	032922.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	110	71	132
Toluene-d8	117	68	139
4-Bromofluorobenzene	109	62	136

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
1,2-Dichloroethane (EDC)	<0.2

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW89-032523	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/29/23	Lab ID:	303427-19
Date Analyzed:	03/29/23	Data File:	032919.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	71	132
Toluene-d8	102	68	139
4-Bromofluorobenzene	100	62	136

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW70-032523	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/29/23	Lab ID:	303427-20
Date Analyzed:	03/29/23	Data File:	032920.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	105	71	132
Toluene-d8	99	68	139
4-Bromofluorobenzene	103	62	136

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
1,2-Dichloroethane (EDC)	0.84

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW86-032523	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/29/23	Lab ID:	303427-21
Date Analyzed:	03/29/23	Data File:	032921.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	71	132
Toluene-d8	95	68	139
4-Bromofluorobenzene	100	62	136

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
1,2-Dichloroethane (EDC)	<0.2

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Former TOC Facility 2584-001
Date Extracted:	03/29/23	Lab ID:	03-0686 mb
Date Analyzed:	03/29/23	Data File:	032907.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	71	132
Toluene-d8	103	68	139
4-Bromofluorobenzene	102	62	136

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	<1
1,2-Dichloroethane (EDC)	<0.2

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	MW20-032423	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/29/23	Lab ID:	303427-09
Date Analyzed:	03/30/23	Data File:	032934.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	42	10	60
Phenol-d6	29	10	49
Nitrobenzene-d5	86	15	144
2-Fluorobiphenyl	95	25	128
2,4,6-Tribromophenol	92	10	142
Terphenyl-d14	112	41	138

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Phenol	<2	2,6-Dinitrotoluene	<1
Bis(2-chloroethyl) ether	<0.2	3-Nitroaniline	<20
2-Chlorophenol	<2	Acenaphthene	<0.02
1,3-Dichlorobenzene	<0.2	2,4-Dinitrophenol	<6
1,4-Dichlorobenzene	<0.2	Dibenzofuran	<0.02
1,2-Dichlorobenzene	<0.2	2,4-Dinitrotoluene	<1
Benzyl alcohol	<2	4-Nitrophenol	<6
2,2'-Oxybis(1-chloropropane)	<0.2	Diethyl phthalate	<2
2-Methylphenol	<2	Fluorene	<0.02
Hexachloroethane	<0.2	4-Chlorophenyl phenyl ether	<0.2
N-Nitroso-di-n-propylamine	<0.2	N-Nitrosodiphenylamine	<0.2
3-Methylphenol + 4-Methylphenol	<4	4-Nitroaniline	<20
Nitrobenzene	<0.2	4,6-Dinitro-2-methylphenol	<6
Isophorone	<0.2	4-Bromophenyl phenyl ether	<0.2
2-Nitrophenol	<2	Hexachlorobenzene	<0.2
2,4-Dimethylphenol	3.4	Pentachlorophenol	<1
Benzoic acid	<10	Phenanthrene	<0.02
Bis(2-chloroethoxy)methane	<0.2	Anthracene	<0.02
2,4-Dichlorophenol	<2	Carbazole	<0.02
1,2,4-Trichlorobenzene	<0.2	Di-n-butyl phthalate	<2
Naphthalene	9.7	Fluoranthene	<0.02
Hexachlorobutadiene	<0.2	Pyrene	<0.02
4-Chloroaniline	<20	Benzyl butyl phthalate	<2
4-Chloro-3-methylphenol	<2	Benz(a)anthracene	<0.02
2-Methylnaphthalene	2.5	Chrysene	<0.02
1-Methylnaphthalene	1.7	Bis(2-ethylhexyl) phthalate	<3.2
Hexachlorocyclopentadiene	<0.6	Di-n-octyl phthalate	<2
2,4,6-Trichlorophenol	<2	Benzo(a)pyrene	<0.02
2,4,5-Trichlorophenol	<2	Benzo(b)fluoranthene	<0.02
2-Chloronaphthalene	<0.2	Benzo(k)fluoranthene	<0.02
2-Nitroaniline	<1	Indeno(1,2,3-cd)pyrene	<0.02
Dimethyl phthalate	<2	Dibenz(a,h)anthracene	<0.02
Acenaphthylene	<0.02	Benzo(g,h,i)perylene	<0.04

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	MW31-032423	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/29/23	Lab ID:	303427-10
Date Analyzed:	03/30/23	Data File:	032935.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	48	10	60
Phenol-d6	33	10	49
Nitrobenzene-d5	84	15	144
2-Fluorobiphenyl	83	25	128
2,4,6-Tribromophenol	95	10	142
Terphenyl-d14	120	41	138

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Phenol	<2	2,6-Dinitrotoluene	<1
Bis(2-chloroethyl) ether	<0.2	3-Nitroaniline	<20
2-Chlorophenol	<2	Acenaphthene	<0.02
1,3-Dichlorobenzene	<0.2	2,4-Dinitrophenol	<6
1,4-Dichlorobenzene	<0.2	Dibenzofuran	<0.02
1,2-Dichlorobenzene	<0.2	2,4-Dinitrotoluene	<1
Benzyl alcohol	<2	4-Nitrophenol	<6
2,2'-Oxybis(1-chloropropane)	<0.2	Diethyl phthalate	<2
2-Methylphenol	<2	Fluorene	<0.02
Hexachloroethane	<0.2	4-Chlorophenyl phenyl ether	<0.2
N-Nitroso-di-n-propylamine	<0.2	N-Nitrosodiphenylamine	0.20
3-Methylphenol + 4-Methylphenol	<4	4-Nitroaniline	<20
Nitrobenzene	<0.2	4,6-Dinitro-2-methylphenol	<6
Isophorone	<0.2	4-Bromophenyl phenyl ether	<0.2
2-Nitrophenol	<2	Hexachlorobenzene	<0.2
2,4-Dimethylphenol	<2	Pentachlorophenol	<1
Benzoic acid	<10	Phenanthrene	0.091
Bis(2-chloroethoxy)methane	<0.2	Anthracene	<0.02
2,4-Dichlorophenol	<2	Carbazole	<0.02
1,2,4-Trichlorobenzene	<0.2	Di-n-butyl phthalate	7.2
Naphthalene	<0.2	Fluoranthene	0.095
Hexachlorobutadiene	<0.2	Pyrene	0.33
4-Chloroaniline	<20	Benzyl butyl phthalate	<2
4-Chloro-3-methylphenol	<2	Benz(a)anthracene	<0.02
2-Methylnaphthalene	<0.2	Chrysene	<0.02
1-Methylnaphthalene	<0.2	Bis(2-ethylhexyl) phthalate	16 fc
Hexachlorocyclopentadiene	<0.6	Di-n-octyl phthalate	<2
2,4,6-Trichlorophenol	<2	Benzo(a)pyrene	<0.02
2,4,5-Trichlorophenol	<2	Benzo(b)fluoranthene	<0.02
2-Chloronaphthalene	<0.2	Benzo(k)fluoranthene	<0.02
2-Nitroaniline	<1	Indeno(1,2,3-cd)pyrene	<0.02
Dimethyl phthalate	<2	Dibenz(a,h)anthracene	<0.02
Acenaphthylene	<0.02	Benzo(g,h,i)perylene	<0.04

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	MW85-032423	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/29/23	Lab ID:	303427-16 1/3
Date Analyzed:	03/30/23	Data File:	032936.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	57	10	60
Phenol-d6	51 vo	10	49
Nitrobenzene-d5	89	15	144
2-Fluorobiphenyl	83	25	128
2,4,6-Tribromophenol	77	10	142
Terphenyl-d14	113	41	138

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Phenol	<6	2,6-Dinitrotoluene	<3
Bis(2-chloroethyl) ether	<0.6	3-Nitroaniline	<60
2-Chlorophenol	<6	Acenaphthene	<0.06
1,3-Dichlorobenzene	<0.6	2,4-Dinitrophenol	<18
1,4-Dichlorobenzene	<0.6	Dibenzofuran	<0.06
1,2-Dichlorobenzene	<0.6	2,4-Dinitrotoluene	<3
Benzyl alcohol	<6	4-Nitrophenol	<18
2,2'-Oxybis(1-chloropropane)	<0.6	Diethyl phthalate	<6
2-Methylphenol	<6	Fluorene	<0.06
Hexachloroethane	<0.6	4-Chlorophenyl phenyl ether	<0.6
N-Nitroso-di-n-propylamine	<0.6	N-Nitrosodiphenylamine	<0.6
3-Methylphenol + 4-Methylphenol	<12	4-Nitroaniline	<60
Nitrobenzene	<0.6	4,6-Dinitro-2-methylphenol	<18
Isophorone	<0.6	4-Bromophenyl phenyl ether	<0.6
2-Nitrophenol	<6	Hexachlorobenzene	<0.6
2,4-Dimethylphenol	<6	Pentachlorophenol	<3
Benzoic acid	<30	Phenanthrene	<0.06
Bis(2-chloroethoxy)methane	<0.6	Anthracene	<0.06
2,4-Dichlorophenol	<6	Carbazole	<0.06
1,2,4-Trichlorobenzene	<0.6	Di-n-butyl phthalate	<6
Naphthalene	<0.6	Fluoranthene	<0.06
Hexachlorobutadiene	<0.6	Pyrene	<0.06
4-Chloroaniline	<60	Benzyl butyl phthalate	<6
4-Chloro-3-methylphenol	<6	Benz(a)anthracene	<0.06
2-Methylnaphthalene	<0.6	Chrysene	<0.06
1-Methylnaphthalene	<0.6	Bis(2-ethylhexyl) phthalate	<9.6
Hexachlorocyclopentadiene	<1.8	Di-n-octyl phthalate	<6
2,4,6-Trichlorophenol	<6	Benzo(a)pyrene	<0.06
2,4,5-Trichlorophenol	<6	Benzo(b)fluoranthene	<0.06
2-Chloronaphthalene	<0.6	Benzo(k)fluoranthene	<0.06
2-Nitroaniline	<3	Indeno(1,2,3-cd)pyrene	<0.06
Dimethyl phthalate	<6	Dibenz(a,h)anthracene	<0.06
Acenaphthylene	<0.06	Benzo(g,h,i)perylene	<0.12

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	MW84-032523	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/29/23	Lab ID:	303427-17
Date Analyzed:	03/30/23	Data File:	032937.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	43	10	60
Phenol-d6	30	10	49
Nitrobenzene-d5	82	15	144
2-Fluorobiphenyl	88	25	128
2,4,6-Tribromophenol	85	10	142
Terphenyl-d14	114	41	138

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Phenol	<2	2,6-Dinitrotoluene	<1
Bis(2-chloroethyl) ether	<0.2	3-Nitroaniline	<20
2-Chlorophenol	<2	Acenaphthene	<0.02
1,3-Dichlorobenzene	<0.2	2,4-Dinitrophenol	<6
1,4-Dichlorobenzene	<0.2	Dibenzofuran	<0.02
1,2-Dichlorobenzene	<0.2	2,4-Dinitrotoluene	<1
Benzyl alcohol	<2	4-Nitrophenol	<6
2,2'-Oxybis(1-chloropropane)	<0.2	Diethyl phthalate	<2
2-Methylphenol	<2	Fluorene	<0.02
Hexachloroethane	<0.2	4-Chlorophenyl phenyl ether	<0.2
N-Nitroso-di-n-propylamine	<0.2	N-Nitrosodiphenylamine	<0.2
3-Methylphenol + 4-Methylphenol	<4	4-Nitroaniline	<20
Nitrobenzene	<0.2	4,6-Dinitro-2-methylphenol	<6
Isophorone	<0.2	4-Bromophenyl phenyl ether	<0.2
2-Nitrophenol	<2	Hexachlorobenzene	<0.2
2,4-Dimethylphenol	<2	Pentachlorophenol	<1
Benzoic acid	<10	Phenanthrene	<0.02
Bis(2-chloroethoxy)methane	<0.2	Anthracene	<0.02
2,4-Dichlorophenol	<2	Carbazole	<0.02
1,2,4-Trichlorobenzene	<0.2	Di-n-butyl phthalate	<2
Naphthalene	<0.2	Fluoranthene	<0.02
Hexachlorobutadiene	<0.2	Pyrene	<0.02
4-Chloroaniline	<20	Benzyl butyl phthalate	<2
4-Chloro-3-methylphenol	<2	Benz(a)anthracene	<0.02
2-Methylnaphthalene	<0.2	Chrysene	<0.02
1-Methylnaphthalene	0.22	Bis(2-ethylhexyl) phthalate	<3.2
Hexachlorocyclopentadiene	<0.6	Di-n-octyl phthalate	<2
2,4,6-Trichlorophenol	<2	Benzo(a)pyrene	<0.02
2,4,5-Trichlorophenol	<2	Benzo(b)fluoranthene	<0.02
2-Chloronaphthalene	<0.2	Benzo(k)fluoranthene	<0.02
2-Nitroaniline	<1	Indeno(1,2,3-cd)pyrene	<0.02
Dimethyl phthalate	<2	Dibenz(a,h)anthracene	<0.02
Acenaphthylene	<0.02	Benzo(g,h,i)perylene	<0.04

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	MW69-032523	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/29/23	Lab ID:	303427-18
Date Analyzed:	03/30/23	Data File:	032938.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	40	10	60
Phenol-d6	31	10	49
Nitrobenzene-d5	88	15	144
2-Fluorobiphenyl	97	25	128
2,4,6-Tribromophenol	95	10	142
Terphenyl-d14	114	41	138

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Phenol	<2	2,6-Dinitrotoluene	<1
Bis(2-chloroethyl) ether	<0.2	3-Nitroaniline	<20
2-Chlorophenol	<2	Acenaphthene	0.11
1,3-Dichlorobenzene	<0.2	2,4-Dinitrophenol	<6
1,4-Dichlorobenzene	<0.2	Dibenzofuran	<0.02
1,2-Dichlorobenzene	<0.2	2,4-Dinitrotoluene	<1
Benzyl alcohol	<2	4-Nitrophenol	<6
2,2'-Oxybis(1-chloropropane)	<0.2	Diethyl phthalate	<2
2-Methylphenol	<2	Fluorene	0.077
Hexachloroethane	<0.2	4-Chlorophenyl phenyl ether	<0.2
N-Nitroso-di-n-propylamine	<0.2	N-Nitrosodiphenylamine	<0.2
3-Methylphenol + 4-Methylphenol	<4	4-Nitroaniline	<20
Nitrobenzene	<0.2	4,6-Dinitro-2-methylphenol	<6
Isophorone	<0.2	4-Bromophenyl phenyl ether	<0.2
2-Nitrophenol	<2	Hexachlorobenzene	<0.2
2,4-Dimethylphenol	<2	Pentachlorophenol	<1
Benzoic acid	<10	Phenanthrene	0.064
Bis(2-chloroethoxy)methane	<0.2	Anthracene	<0.02
2,4-Dichlorophenol	<2	Carbazole	0.038
1,2,4-Trichlorobenzene	<0.2	Di-n-butyl phthalate	<2
Naphthalene	6.9	Fluoranthene	<0.02
Hexachlorobutadiene	<0.2	Pyrene	<0.02
4-Chloroaniline	<20	Benzyl butyl phthalate	<2
4-Chloro-3-methylphenol	<2	Benz(a)anthracene	<0.02
2-Methylnaphthalene	35	Chrysene	<0.02
1-Methylnaphthalene	19	Bis(2-ethylhexyl) phthalate	<3.2
Hexachlorocyclopentadiene	<0.6	Di-n-octyl phthalate	<2
2,4,6-Trichlorophenol	<2	Benzo(a)pyrene	<0.02
2,4,5-Trichlorophenol	<2	Benzo(b)fluoranthene	<0.02
2-Chloronaphthalene	<0.2	Benzo(k)fluoranthene	<0.02
2-Nitroaniline	<1	Indeno(1,2,3-cd)pyrene	<0.02
Dimethyl phthalate	<2	Dibenz(a,h)anthracene	<0.02
Acenaphthylene	<0.02	Benzo(g,h,i)perylene	<0.04

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	MW89-032523	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/29/23	Lab ID:	303427-19 1/3
Date Analyzed:	03/30/23	Data File:	032939.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	51	10	60
Phenol-d6	46	10	49
Nitrobenzene-d5	86	15	144
2-Fluorobiphenyl	84	25	128
2,4,6-Tribromophenol	66	10	142
Terphenyl-d14	108	41	138

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Phenol	<6	2,6-Dinitrotoluene	<3
Bis(2-chloroethyl) ether	<0.6	3-Nitroaniline	<60
2-Chlorophenol	<6	Acenaphthene	<0.06
1,3-Dichlorobenzene	<0.6	2,4-Dinitrophenol	<18
1,4-Dichlorobenzene	<0.6	Dibenzofuran	<0.06
1,2-Dichlorobenzene	<0.6	2,4-Dinitrotoluene	<3
Benzyl alcohol	<6	4-Nitrophenol	<18
2,2'-Oxybis(1-chloropropane)	<0.6	Diethyl phthalate	<6
2-Methylphenol	<6	Fluorene	<0.06
Hexachloroethane	<0.6	4-Chlorophenyl phenyl ether	<0.6
N-Nitroso-di-n-propylamine	<0.6	N-Nitrosodiphenylamine	<0.6
3-Methylphenol + 4-Methylphenol	<12	4-Nitroaniline	<60
Nitrobenzene	<0.6	4,6-Dinitro-2-methylphenol	<18
Isophorone	<0.6	4-Bromophenyl phenyl ether	<0.6
2-Nitrophenol	<6	Hexachlorobenzene	<0.6
2,4-Dimethylphenol	<6	Pentachlorophenol	<3
Benzoic acid	<30	Phenanthrene	<0.06
Bis(2-chloroethoxy)methane	<0.6	Anthracene	<0.06
2,4-Dichlorophenol	<6	Carbazole	<0.06
1,2,4-Trichlorobenzene	<0.6	Di-n-butyl phthalate	<6
Naphthalene	<0.6	Fluoranthene	<0.06
Hexachlorobutadiene	<0.6	Pyrene	<0.06
4-Chloroaniline	<60	Benzyl butyl phthalate	<6
4-Chloro-3-methylphenol	<6	Benz(a)anthracene	<0.06
2-Methylnaphthalene	<0.6	Chrysene	<0.06
1-Methylnaphthalene	<0.6	Bis(2-ethylhexyl) phthalate	<9.6
Hexachlorocyclopentadiene	<1.8	Di-n-octyl phthalate	<6
2,4,6-Trichlorophenol	<6	Benzo(a)pyrene	<0.06
2,4,5-Trichlorophenol	<6	Benzo(b)fluoranthene	<0.06
2-Chloronaphthalene	<0.6	Benzo(k)fluoranthene	<0.06
2-Nitroaniline	<3	Indeno(1,2,3-cd)pyrene	<0.06
Dimethyl phthalate	<6	Dibenz(a,h)anthracene	<0.06
Acenaphthylene	<0.06	Benzo(g,h,i)perylene	<0.12

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	MW70-032523	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/29/23	Lab ID:	303427-20
Date Analyzed:	03/30/23	Data File:	032940.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	22	10	60
Phenol-d6	14	10	49
Nitrobenzene-d5	77	15	144
2-Fluorobiphenyl	82	25	128
2,4,6-Tribromophenol	65	10	142
Terphenyl-d14	108	41	138

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Phenol	<2	2,6-Dinitrotoluene	<1
Bis(2-chloroethyl) ether	<0.2	3-Nitroaniline	<20
2-Chlorophenol	<2	Acenaphthene	<0.02
1,3-Dichlorobenzene	<0.2	2,4-Dinitrophenol	<6
1,4-Dichlorobenzene	<0.2	Dibenzofuran	<0.02
1,2-Dichlorobenzene	<0.2	2,4-Dinitrotoluene	<1
Benzyl alcohol	<2	4-Nitrophenol	<6
2,2'-Oxybis(1-chloropropane)	<0.2	Diethyl phthalate	<2
2-Methylphenol	<2	Fluorene	<0.02
Hexachloroethane	<0.2	4-Chlorophenyl phenyl ether	<0.2
N-Nitroso-di-n-propylamine	<0.2	N-Nitrosodiphenylamine	<0.2
3-Methylphenol + 4-Methylphenol	<4	4-Nitroaniline	<20
Nitrobenzene	<0.2	4,6-Dinitro-2-methylphenol	<6
Isophorone	<0.2	4-Bromophenyl phenyl ether	<0.2
2-Nitrophenol	<2	Hexachlorobenzene	<0.2
2,4-Dimethylphenol	<2	Pentachlorophenol	<1
Benzoic acid	<10	Phenanthrene	<0.02
Bis(2-chloroethoxy)methane	<0.2	Anthracene	<0.02
2,4-Dichlorophenol	<2	Carbazole	<0.02
1,2,4-Trichlorobenzene	<0.2	Di-n-butyl phthalate	<2
Naphthalene	<0.2	Fluoranthene	<0.02
Hexachlorobutadiene	<0.2	Pyrene	<0.02
4-Chloroaniline	<20	Benzyl butyl phthalate	<2
4-Chloro-3-methylphenol	<2	Benz(a)anthracene	<0.02
2-Methylnaphthalene	<0.2	Chrysene	<0.02
1-Methylnaphthalene	<0.2	Bis(2-ethylhexyl) phthalate	<3.2
Hexachlorocyclopentadiene	<0.6	Di-n-octyl phthalate	<2
2,4,6-Trichlorophenol	<2	Benzo(a)pyrene	<0.02
2,4,5-Trichlorophenol	<2	Benzo(b)fluoranthene	<0.02
2-Chloronaphthalene	<0.2	Benzo(k)fluoranthene	<0.02
2-Nitroaniline	<1	Indeno(1,2,3-cd)pyrene	<0.02
Dimethyl phthalate	<2	Dibenz(a,h)anthracene	<0.02
Acenaphthylene	<0.02	Benzo(g,h,i)perylene	<0.04

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	MW86-032523	Client:	Farallon Consulting, LLC
Date Received:	03/27/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/29/23	Lab ID:	303427-21 1/2
Date Analyzed:	03/30/23	Data File:	032941.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	9 ip	10	60
Phenol-d6	19	10	49
Nitrobenzene-d5	90	15	144
2-Fluorobiphenyl	95	25	128
2,4,6-Tribromophenol	18	10	142
Terphenyl-d14	114	41	138

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Phenol	<4	2,6-Dinitrotoluene	<2
Bis(2-chloroethyl) ether	<0.4	3-Nitroaniline	<40
2-Chlorophenol	<4	Acenaphthene	<0.04
1,3-Dichlorobenzene	<0.4	2,4-Dinitrophenol	<12
1,4-Dichlorobenzene	<0.4	Dibenzofuran	<0.04
1,2-Dichlorobenzene	<0.4	2,4-Dinitrotoluene	<2
Benzyl alcohol	<4	4-Nitrophenol	<12
2,2'-Oxybis(1-chloropropane)	<0.4	Diethyl phthalate	<4
2-Methylphenol	<4	Fluorene	<0.04
Hexachloroethane	<0.4	4-Chlorophenyl phenyl ether	<0.4
N-Nitroso-di-n-propylamine	<0.4	N-Nitrosodiphenylamine	<0.4
3-Methylphenol + 4-Methylphenol	<8	4-Nitroaniline	<40
Nitrobenzene	<0.4	4,6-Dinitro-2-methylphenol	<12
Isophorone	<0.4	4-Bromophenyl phenyl ether	<0.4
2-Nitrophenol	<4	Hexachlorobenzene	<0.4
2,4-Dimethylphenol	<4	Pentachlorophenol	<2
Benzoic acid	<20	Phenanthrene	<0.04
Bis(2-chloroethoxy)methane	<0.4	Anthracene	<0.04
2,4-Dichlorophenol	<4	Carbazole	<0.04
1,2,4-Trichlorobenzene	<0.4	Di-n-butyl phthalate	<4
Naphthalene	<0.4	Fluoranthene	<0.04
Hexachlorobutadiene	<0.4	Pyrene	<0.04
4-Chloroaniline	<40	Benzyl butyl phthalate	<4
4-Chloro-3-methylphenol	<4	Benz(a)anthracene	<0.04
2-Methylnaphthalene	<0.4	Chrysene	<0.04
1-Methylnaphthalene	<0.4	Bis(2-ethylhexyl) phthalate	<6.4
Hexachlorocyclopentadiene	<1.2	Di-n-octyl phthalate	<4
2,4,6-Trichlorophenol	<4	Benzo(a)pyrene	<0.04
2,4,5-Trichlorophenol	<4	Benzo(b)fluoranthene	<0.04
2-Chloronaphthalene	<0.4	Benzo(k)fluoranthene	<0.04
2-Nitroaniline	<2	Indeno(1,2,3-cd)pyrene	<0.04
Dimethyl phthalate	<4	Dibenz(a,h)anthracene	<0.04
Acenaphthylene	<0.04	Benzo(g,h,i)perylene	<0.08

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Former TOC Facility 2584-001
Date Extracted:	03/29/23	Lab ID:	03-820 mb
Date Analyzed:	03/30/23	Data File:	032933.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	38	10	60
Phenol-d6	26	10	49
Nitrobenzene-d5	79	15	144
2-Fluorobiphenyl	82	25	128
2,4,6-Tribromophenol	77	10	142
Terphenyl-d14	110	41	138

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Phenol	<2	2,6-Dinitrotoluene	<1
Bis(2-chloroethyl) ether	<0.2	3-Nitroaniline	<20
2-Chlorophenol	<2	Acenaphthene	<0.02
1,3-Dichlorobenzene	<0.2	2,4-Dinitrophenol	<6
1,4-Dichlorobenzene	<0.2	Dibenzofuran	<0.02
1,2-Dichlorobenzene	<0.2	2,4-Dinitrotoluene	<1
Benzyl alcohol	<2	4-Nitrophenol	<6
2,2'-Oxybis(1-chloropropane)	<0.2	Diethyl phthalate	<2
2-Methylphenol	<2	Fluorene	<0.02
Hexachloroethane	<0.2	4-Chlorophenyl phenyl ether	<0.2
N-Nitroso-di-n-propylamine	<0.2	N-Nitrosodiphenylamine	<0.2
3-Methylphenol + 4-Methylphenol	<4	4-Nitroaniline	<20
Nitrobenzene	<0.2	4,6-Dinitro-2-methylphenol	<6
Isophorone	<0.2	4-Bromophenyl phenyl ether	<0.2
2-Nitrophenol	<2	Hexachlorobenzene	<0.2
2,4-Dimethylphenol	<2	Pentachlorophenol	<1
Benzoic acid	<10	Phenanthrene	<0.02
Bis(2-chloroethoxy)methane	<0.2	Anthracene	<0.02
2,4-Dichlorophenol	<2	Carbazole	<0.02
1,2,4-Trichlorobenzene	<0.2	Di-n-butyl phthalate	<2
Naphthalene	<0.2	Fluoranthene	<0.02
Hexachlorobutadiene	<0.2	Pyrene	<0.02
4-Chloroaniline	<20	Benzyl butyl phthalate	<2
4-Chloro-3-methylphenol	<2	Benz(a)anthracene	<0.02
2-Methylnaphthalene	<0.2	Chrysene	<0.02
1-Methylnaphthalene	<0.2	Bis(2-ethylhexyl) phthalate	<3.2
Hexachlorocyclopentadiene	<0.6	Di-n-octyl phthalate	<2
2,4,6-Trichlorophenol	<2	Benzo(a)pyrene	<0.02
2,4,5-Trichlorophenol	<2	Benzo(b)fluoranthene	<0.02
2-Chloronaphthalene	<0.2	Benzo(k)fluoranthene	<0.02
2-Nitroaniline	<1	Indeno(1,2,3-cd)pyrene	<0.02
Dimethyl phthalate	<2	Dibenz(a,h)anthracene	<0.02
Acenaphthylene	<0.02	Benzo(g,h,i)perylene	<0.04

Date of Report: 04/04/23
Date Received: 03/27/23
Project: Former TOC Facility 2584-001, F&BI 303427
Date Extracted: 03/31/23
Date Analyzed: 03/31/23

RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR 1,2-DIBROMOETHANE (EDB) BY EPA METHOD 8011 MODIFIED
Results Reported as µg/L (ppb)

Sample ID Laboratory ID	EDB
MW31-032423 303427-10	<0.01
MW84-032523 303427-17	<0.01
MW69-032523 303427-18	<0.01
MW70-032523 303427-20	<0.01
MW86-032523 303427-21	<0.01
Method Blank 03-825	<0.01

Date of Report: 04/04/23
Date Received: 03/27/23
Project: Former TOC Facility 2584-001, F&BI 303427

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 303427-02 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Benzene	ug/L (ppb)	6.2	6.2	0
Toluene	ug/L (ppb)	<1	<1	nm
Ethylbenzene	ug/L (ppb)	<1	<1	nm
Xylenes	ug/L (ppb)	<3	<3	nm
Gasoline	ug/L (ppb)	230	240	4

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	ug/L (ppb)	50	90	70-130
Toluene	ug/L (ppb)	50	90	70-130
Ethylbenzene	ug/L (ppb)	50	82	70-130
Xylenes	ug/L (ppb)	150	93	70-130
Gasoline	ug/L (ppb)	1,000	100	70-130

Date of Report: 04/04/23
Date Received: 03/27/23
Project: Former TOC Facility 2584-001, F&BI 303427

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 303437-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Benzene	ug/L (ppb)	<1	<1	nm
Toluene	ug/L (ppb)	<1	<1	nm
Ethylbenzene	ug/L (ppb)	<1	<1	nm
Xylenes	ug/L (ppb)	<3	<3	nm
Gasoline	ug/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	ug/L (ppb)	50	102	65-118
Toluene	ug/L (ppb)	50	110	72-122
Ethylbenzene	ug/L (ppb)	50	102	73-126
Xylenes	ug/L (ppb)	150	107	74-118
Gasoline	ug/L (ppb)	1,000	97	69-134

Date of Report: 04/04/23
Date Received: 03/27/23
Project: Former TOC Facility 2584-001, F&BI 303427

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	116	116	70-130	0

Date of Report: 04/04/23
Date Received: 03/27/23
Project: Former TOC Facility 2584-001, F&BI 303427

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED METALS USING EPA METHOD 200.8

Laboratory Code: 303419-16 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	ug/L (ppb)	10	<1	98	97	70-130	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	ug/L (ppb)	10	99	85-115

Date of Report: 04/04/23
Date Received: 03/27/23
Project: Former TOC Facility 2584-001, F&BI 303427

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 303427-06 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	ug/L (ppb)	10	<1	85	85	70-130	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	ug/L (ppb)	10	100	85-115

Date of Report: 04/04/23
Date Received: 03/27/23
Project: Former TOC Facility 2584-001, F&BI 303427

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 303427-09 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Methyl t-butyl ether (MTBE)	ug/L (ppb)	10	<1	108	50-150
1,2-Dichloroethane (EDC)	ug/L (ppb)	10	0.71	103	50-150

Date of Report: 04/04/23
Date Received: 03/27/23
Project: Former TOC Facility 2584-001, F&BI 303427

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Methyl t-butyl ether (MTBE)	ug/L (ppb)	10	110	111	70-130	1
1,2-Dichloroethane (EDC)	ug/L (ppb)	10	104	104	70-130	0

Date of Report: 04/04/23
Date Received: 03/27/23
Project: Former TOC Facility 2584-001, F&BI 303427

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Phenol	ug/L (ppb)	5	26	25	10-30	4
Bis(2-chloroethyl) ether	ug/L (ppb)	5	74	72	43-117	3
2-Chlorophenol	ug/L (ppb)	5	72	70	21-97	3
1,3-Dichlorobenzene	ug/L (ppb)	5	70	68	39-102	3
1,4-Dichlorobenzene	ug/L (ppb)	5	72	69	41-103	4
1,2-Dichlorobenzene	ug/L (ppb)	5	74	71	43-105	4
Benzyl alcohol	ug/L (ppb)	25	65	65	14-82	0
2,2'-Oxybis(1-chloropropane)	ug/L (ppb)	5	78	77	51-110	1
2-Methylphenol	ug/L (ppb)	5	63	60	19-77	5
Hexachloroethane	ug/L (ppb)	5	73	69	39-104	6
N-Nitroso-di-n-propylamine	ug/L (ppb)	5	89	86	60-114	3
3-Methylphenol + 4-Methylphenol	ug/L (ppb)	5	60	57	14-63	5
Nitrobenzene	ug/L (ppb)	5	80	74	53-114	8
Isophorone	ug/L (ppb)	5	90	85	62-113	6
2-Nitrophenol	ug/L (ppb)	5	91	84	41-117	8
2,4-Dimethylphenol	ug/L (ppb)	5	46	42	23-105	9
Benzoic acid	ug/L (ppb)	40	24	27 vo	10-25	12
Bis(2-chloroethoxy)methane	ug/L (ppb)	5	88	82	56-111	7
2,4-Dichlorophenol	ug/L (ppb)	5	84	78	34-113	7
1,2,4-Trichlorobenzene	ug/L (ppb)	5	76	72	48-104	5
Naphthalene	ug/L (ppb)	5	77	72	50-104	7
Hexachlorobutadiene	ug/L (ppb)	5	86	78	40-107	10
4-Chloroaniline	ug/L (ppb)	25	91	85	34-120	7
4-Chloro-3-methylphenol	ug/L (ppb)	5	89	86	34-111	3
2-Methylnaphthalene	ug/L (ppb)	5	88	85	54-109	3
1-Methylnaphthalene	ug/L (ppb)	5	92	89	55-108	3
Hexachlorocyclopentadiene	ug/L (ppb)	5	78	80	34-126	3
2,4,6-Trichlorophenol	ug/L (ppb)	5	102	95	28-125	7
2,4,5-Trichlorophenol	ug/L (ppb)	5	95	90	39-120	5
2-Chloronaphthalene	ug/L (ppb)	5	84	80	57-130	5
2-Nitroaniline	ug/L (ppb)	25	96	93	51-146	3
Dimethyl phthalate	ug/L (ppb)	5	100	95	64-118	5
Acenaphthylene	ug/L (ppb)	5	91	87	60-114	4
2,6-Dinitrotoluene	ug/L (ppb)	5	108	108	66-121	0
3-Nitroaniline	ug/L (ppb)	25	89	87	42-134	2
Acenaphthene	ug/L (ppb)	5	88	85	57-110	3
2,4-Dinitrophenol	ug/L (ppb)	10	96	102	10-171	6
Dibenzofuran	ug/L (ppb)	5	89	87	52-116	2
2,4-Dinitrotoluene	ug/L (ppb)	5	98	100	55-127	2
4-Nitrophenol	ug/L (ppb)	10	33	37	10-46	11
Diethyl phthalate	ug/L (ppb)	5	96	96	63-118	0
Fluorene	ug/L (ppb)	5	95	93	61-115	2
4-Chlorophenyl phenyl ether	ug/L (ppb)	5	94	90	61-112	4
N-Nitrosodiphenylamine	ug/L (ppb)	5	92	90	63-116	2
4-Nitroaniline	ug/L (ppb)	25	85	85	42-150	0
4,6-Dinitro-2-methylphenol	ug/L (ppb)	5	103	109	13-152	6
4-Bromophenyl phenyl ether	ug/L (ppb)	5	95	87	62-115	9
Hexachlorobenzene	ug/L (ppb)	5	88	88	60-113	0
Pentachlorophenol	ug/L (ppb)	5	98	101	14-137	3
Phenanthrene	ug/L (ppb)	5	90	88	63-113	2
Anthracene	ug/L (ppb)	5	92	90	65-117	2
Carbazole	ug/L (ppb)	5	93	93	67-131	0
Di-n-butyl phthalate	ug/L (ppb)	5	101	100	37-135	1
Fluoranthene	ug/L (ppb)	5	99	100	68-121	1
Pyrene	ug/L (ppb)	5	96	94	66-125	2
Benzyl butyl phthalate	ug/L (ppb)	5	105	103	56-128	2
Benz(a)anthracene	ug/L (ppb)	5	99	97	70-130	2
Chrysene	ug/L (ppb)	5	104	102	67-119	2
Bis(2-ethylhexyl) phthalate	ug/L (ppb)	5	104	102	57-124	2
Di-n-octyl phthalate	ug/L (ppb)	5	92	98	43-132	6
Benzo(a)pyrene	ug/L (ppb)	5	93	93	68-126	0
Benzo(b)fluoranthene	ug/L (ppb)	5	88	86	62-130	2
Benzo(k)fluoranthene	ug/L (ppb)	5	97	99	67-125	2
Indeno(1,2,3-cd)pyrene	ug/L (ppb)	5	101	105	63-131	4
Dibenz(a,h)anthracene	ug/L (ppb)	5	95	96	62-133	1
Benzo(g,h,i)perylene	ug/L (ppb)	5	97	96	57-133	1

Date of Report: 04/04/23
Date Received: 03/27/23
Project: Former TOC Facility 2584-001, F&BI 303427

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR 1,2-DIBROMOETHANE (EDB) BY EPA METHOD 8011 MODIFIED

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 10)
1,2-Dibromoethane	ug/L (ppb)	0.10	104	106	70-130	2

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased high; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

303427

SAMPLE CHAIN OF CUSTODY

03/27/23 I4/VW05/L4

Page # 1 of 3

Report To Stuart Brown

Company Furallon

Address 975 5th Ave NW

City, State, ZIP Issaquah WA 98027

Phone 4252950800 Email Sbrown@furallonconsulting.com

SAMPLERS (*signature*) Maxx-Henry Nilsen

PROJECT NAME: Former TOC Facility

PO #: 2584-001

REMARKS:

Project specific RLs? - Yes / No

INVOICE TO: AP

TURNAROUND TIME
- ☒ Standard turnaround
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	EPA 8260 MTBE by 8260	1,2 Dichloroethane SW8260C	Dibromomethane 8011	SVOC/PAHs 8270D SIM	Lead & Total Arsenic 6020B	Notes
MW9 - 032323	01 AC	3/23/23	1604	water	3		X	X										
MW10 - 032323	02		1642		3													
MW22 - 032323	03		1721		3													
MW28 - 032423	04	3/24/23	737		3													
MW24 - 032423	05		845		3													
MW29 - 032423	06 A-D		855		4												X	No Dissolved MG 3/27/23
MW11 - 032423	07 A-C		950		3													
MW32 - 032423	08 AE		1045		4												X	No Dissolved MG 3/27/23
MW20 - 032423	09 A-H		1110		8	X							X			X	X	MN
MW31 - 032423	10 A-J		1218		9	X							X	X	X	X	X	

Friedman & Bruya, Inc.
Ph. (206) 285-8282

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Maxx-Henry Nilsen	Maxx-Henry Nilsen	Furallon	3/27/23	0800
Received by:	Michael Erdahl	FrBr	3/27/23	0800
Relinquished by:				
Received by:		Samples received at 3 °C		

303427

SEE PAGE 1

SAMPLE CHAIN OF CUSTODY

03/27/23 I4 / VW3 / 3 L4

Page # 2 of 3

Report To [redacted]

Company

Address

City, State, ZIP

Phone Email

SAMPLERS (*signature*) Maya Henry Nelson

PROJECT NAME: Former TOC Facility

PO #: 2584-001

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: AP

TURNAROUND TIME
- ☒ Standard turnaround
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	EPA Subset MTBE by 8260	1,2-dichloroethane SW8260C	dibromomethane from 8011	SVOC/PAHs 8270D SIM	Total and dissolved Lead EPA 200.8	Notes
MW57-032423	11 A-F	3/24/23	1400	water	6		X	X					X					1-L HCl 08
* MW45-032423	12 A-E		1402		3.5	X												* HOLD For PM
MW48-032423	13 A-D		1510		4												X	No Dissolved MG 3/27/23
MW98-032423	14 A-F		1645		6								(X)				•	per SR 3/28/23 MF
MW63-032423	15 A-C		1700		3													
MW85-032423	16 A-H		1848		7	X							X			X		
MW84-032523	17 A-J	3/25/23	0836		9	X							X	X	X	X	X	
MW69-032523	18 A-J		0936		9	X							X	X	X	X	X	
MW89-032523	19 A-H		1132		7	X							X			X		
MW70-032523	20 A-J		1246		9	X							X	X	X	X	X	

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Maya Henry Nelson	Maya Henry Nelson	Farallon	3/27/23	0800
Received by:	Michael Erdahl	FCBA	3/27/23	0800
Relinquished by:				
Received by:		Samples received at 3 °C		

Friedman & Bruya, Inc.
Ph. (206) 285-8282

303427

SAMPLE CHAIN OF CUSTODY

03/27/23

I4/VW5/L4

Page # 3 of 3

SEE PAGE 1

Report To [redacted]

Company

Address

City, State, ZIP

Phone Email

SAMPLERS (*signature*) Max-Henry Nelson

PROJECT NAME	PO #
Former TOC Facility	2584-001
REMARKS Project specific RLs? - Yes / No	INVOICE TO AP

TURNAROUND TIME
- ☒ Standard turnaround
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	ANALYSES REQUESTED: EPA 8260B MNE by 8260	1,2 dichloroethane 8260C	1-methylnaphthalene 8270D SIM	SVOC/PAH 8270D SIM	total and dissolved Pb 200.8	Notes
MW86-032523	21A-J	3/25/23	1355	water	9	X	X	X					X	X	X	X	X	1-L 1/2 VOA (B3)
Trip blank	22 A-B				3													added at lab (MP) 3/27/23

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Max-Henry Nelson	Max-Henry Nelson	Farallon	3/27/23	0800
~~Received by:~~	Michael Erdahl	FCBA	3/27/23	0800
Relinquished by:				
Received by:		Samples received at 3 °C		

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

March 31, 2023

Stuart Brown, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

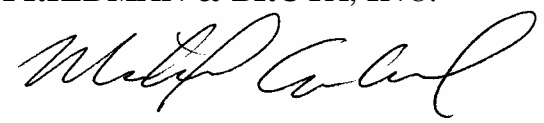
Dear Mr Brown:

Included are the results from the testing of material submitted on March 29, 2023 from the Former TOC Facility 2584-001, F&BI 303462 project. There are 5 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0331R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 29, 2023 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Former TOC Facility 2584-001, F&BI 303462 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
303462 -01	MW-32-032823

All quality control requirements were acceptable.

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	MW-32-032823	Client:	Farallon Consulting, LLC
Date Received:	03/29/23	Project:	Former TOC Facility 2584-001
Date Extracted:	03/29/23	Lab ID:	303462-01
Date Analyzed:	03/29/23	Data File:	303462-01.098
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Lead	1.35

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Former TOC Facility 2584-001
Date Extracted:	03/29/23	Lab ID:	I3-238 mb2
Date Analyzed:	03/29/23	Data File:	I3-238 mb2.090
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Lead	<1

Date of Report: 03/31/23
Date Received: 03/29/23
Project: Former TOC Facility 2584-001, F&BI 303462

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED METALS USING EPA METHOD 200.8

Laboratory Code: 303427-06 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	ug/L (ppb)	10	<1	85	85	70-130	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	ug/L (ppb)	10	100	85-115

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased high; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

303462

SAMPLE CHAIN OF CUSTODY 03/29/23

L2

Page # 1 of 1

Report To Stuart Brown

Company Farallon

Address 975 5th Ave NW

City, State, ZIP Issaquah WA 98027

Phone _____ Email SBrown@farallonconsulting.com

SAMPLERS (*signature*) [signature]

PROJECT NAME: Former TOC facility

PO #: 2584-001

REMARKS: Project specific RLs? - Yes / No

INVOICE TO: AP

TURNAROUND TIME
- ☑ Standard turnaround
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	dissolved lead EPA 200.8				Notes
MW-32-032823	01	3/28/23	1510	water	1								X				field filtered
								Sample received at 16 °C									

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: [signature]	Braeden Lukitsch	Farallon	3/29/23	1020
Received by: [signature]	ANH PHAN	F&B	03/29/23	10:20
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282

ATTACHMENT B
SELECT FIGURES FROM THE DRAFT REMEDIAL INVESTIGATION REPORT

ENVIRONMENTAL CONDITIONS SUMMARY
TOC Facility No. 01-176
24205 and 24225 56th Avenue West
Mountlake Terrace, Washington

Farallon PN: 2584-001

11/11/2013

P:\0440 TOC HOLDINGS CO\01-176 MOUNTLAKE TERRACE\TECHNICAL\CAD\2013RI\01-176_2013RI_HIST_PHC_SD_BLR.DWG

LEGEND

- B27 — SOIL BORING (NO WELL INSTALLED)
- MW68 — GROUNDWATER MONITORING WELL (SHALLOW SCREEN)
- MW89 — GROUNDWATER MONITORING WELL (UPPER INTERMEDIATE SCREEN)
- MW77 — GROUNDWATER MONITORING WELL (INTERMEDIATE SCREEN)
- MW78 — GROUNDWATER MONITORING WELL (DEEP SCREEN)
- MW17 — DECOMMISSIONED GROUNDWATER MONITORING WELL
- SG-1 — SOIL GAS SAMPLE
- D-1 — EXCAVATION SOIL SAMPLE
- CURRENT OR FORMER UST
- PP — POWER/LIGHT POST OR SIGN
- EDGE OF EASEMENT
- UST — UNDERGROUND STORAGE TANK

- TOC PROPERTY BOUNDARY
- PARCEL BOUNDARY
- FORMER SITE FEATURE
- TREATMENT SYSTEM PROCESS LINES
- CATCH BASIN
- SANITARY SEWER MANHOLE
- SURVEY BENCHMARK
- FORMER INFILTRATION PIT (1975)

MAXIMUM GRPH AND/OR BTEX CONCENTRATIONS DETECTED IN SOIL

- ONE OR MORE ANALYTES DETECTED ABOVE THEIR RESPECTIVE MTCA METHOD A CLEANUP LEVELS
- ONE OR MORE ANALYTES DETECTED AT OR ABOVE LABORATORY DETECTION LIMITS BUT BELOW RESPECTIVE MTCA METHOD A CLEANUP LEVELS
- NO ANALYTES DETECTED ABOVE THEIR RESPECTIVE LABORATORY REPORTING LIMITS

DATUM/BASIS OF BEARINGS
HELD A BEARING OF N00°03'34"E ALONG THE MONUMENTED CENTERLINE OF 56TH AVE W BETWEEN 244TH ST SW AND 240TH ST SW PER PLAT OF LAKE FOREST CREST V.10 / P.107

BASIS OF POSITION: CITY OF MOUNTLAKE TERRACE CONTROL POINT DESIGNATION MTLK127.

ORIGINATING BENCHMARK:
TOP OF MAG NAIL IN CURB AT NORTHWEST CORNER OF SITE PER SITE PLAN BY CPS ENGINEERING PROVIDED TO AXIS BY CLIENT

COORDINATE SYSTEM: NAD 83 STATE PLANE WASHINGTON NORTH FIPS 4601 (US FEET)

VERTICAL DATUM: NAVD 88

ELEVATION: 363.62'

REFERENCES:
AXIS SURVEY & MAPPING, 2013
LANDAU ASSOCIATES, INC., 2005
CITY OF MOUNTLAKE TERRACE, 2005
K&S ENVIRONMENTAL, 2001
REISDORFF, THOMAS D., 1985
SNOHOMISH COUNTY P.U.D. No.1, 2012
TIME OIL COMPANY (SIC), 1975
AERIAL PHOTOGRAPHS, SNOHOMISH COUNTY, 1974
HERMAN BUILDING PLANS, 1973

N

YOUNG MOBILE HOME PARK

TOC/FARMASONIS PROPERTY
24225 56TH AVENUE WEST

DRAKE PROPERTY
24309 56TH AVENUE WEST

MOUNTLAKE SENIOR PROPERTY
5525 244TH STREET SOUTHWEST
(CONSTRUCTION PENDING)

HERMAN PROPERTY
24311 56TH AVENUE WEST

TOC HOLDING CO. PROPERTY
24205 56TH AVENUE WEST

RAKNES PROPERTY
24121 56TH AVENUE WEST

SHIN/CHOI PROPERTY
24325 56TH AVENUE WEST

ROMIO'S PIZZA & PASTA

GETAWAY TAVERN

EZ CORNER MART
(FORMER GAS STATION)

242ND STREET SOUTHWEST

POWER EASEMENT

PRIVATE EASEMENT AND FIRE LANE

56TH AVENUE WEST

POWER TRANSFORMER

GRASS FIELD

GRAVEL PARKING

ASPHALT-PAVED PARKING

ASPHALT PAVED PARKING

DECK

PLANTER

SIDEWALK

EDGE OF ASPHALT PAVEMENT

PROPERTY BOUNDARY PRIOR TO 1985 (SHORT PLAT 106)

PROPERTY BOUNDARY SINCE 1985 (SHORT PLAT 106)

FORMER WOOD SHED

STATE PLANE
N=287352.81
E=1278908.02
PROJECT
N=287375.29
E=1278098.94

UST (HERMAN 1973)

UST (REISDORFF 1985)

FORMER CONCRETE PAD

USTS (REISDORFF, 1985)

FORMER OIL AND DIESEL LOADING RAMP

(HEATING OIL) ABOVEGROUND STORAGE TANK

UST ABANDONED IN PLACE

DAVE'S AUTO SERVICE (FORMER GAS STATION)

ABANDONED PUMP ISLAND

FORMER PUMP ISLAND

ABANDONED PUMP ISLAND

FORMER 8,000-GALLON USTs

WASTE OIL UST

2001 UST EXCAVATION (K&S)

FORMER PRODUCT LINES

1996 UST EXCAVATION

1996 PUMP ISLAND EXCAVATION

TOC PROPERTY TREATMENT SYSTEM COMPOUND

TOC/FARMASONIS AND DRAKE PROPERTIES TREATMENT SYSTEM COMPOUND

TOC PROPERTY TREATMENT SYSTEM COMPOUND

FORMER GAS STATION BUILDING (DEMOLISHED 2008)

CONCRETE SLAB

CONCRETE CURB

ASPHALT PAVED PARKING

ASPHALT-PAVED PARKING

FORMER 6,000 AND 8,000 GALLON USTS

1991 UST EXCAVATION

WATER METER

STORM MANHOLE

STATE PLANE
N=287719.89
E=1277926.24
PROJECT
N=287739.95
E=1277918.20

238TH ST SW
FOUND PUNCH IN 1 3/4" BRASS DISK IN CONCRETE MONUMENT DOWN 0.35' IN CASE.

240TH ST SW
FOUND PUNCH MARK IN 1 3/4" BRASS DISK ON CONC MON IN CASE, DN. 0.5'
STATE PLANE
N=288416.87
E=1277786.41
PROJECT
N=288434.96
E=1277768.92

244TH ST SW
FOUND DIVOT IN 3"X3" CONC MON IN CASE, DN. 1.5'
STATE PLANE
N=287093.00
E=1277767.07
PROJECT
N=287110.95
E=1277767.54

R E S I D E N T I A L P A R C E L S
24108 THROUGH 24302 56TH AVENUE WEST

SoundEarth Strategies
WWW.SOUNDEARTHINC.COM

DATE:	10/28/13
DRAWN BY:	BLR
CHECKED BY:	RKB
CAD FILE:	01-176_2013RI_HIST_PHC_SD

PROJECT NAME:	TOC HOLDINGS CO. FACILITY 01-176
PROJECT NUMBER:	0440-030
STREET ADDRESS:	24205 56TH AVENUE WEST
CITY, STATE:	MOUNTLAKE TERRACE, WASHINGTON

REGION:

0 50 100 200
APPROXIMATE SCALE IN FEET

FIGURE 7
HISTORICAL PETROLEUM HYDROCARBON CONCENTRATIONS IN SOIL

WWW.SOUNDEARTHINC.COM

11/11/2013

P:\0440 TOC HOLDINGS CO\01-176 MOUNTLAKE TERRACE\TECHNICAL\CAD\2013RI\01-176_2013RI_EL_VPBJQCBLR3.DWG

LEGEND

- SOIL BORING (NO WELL INSTALLED) — B27
- GROUNDWATER MONITORING WELL (SHALLOW SCREEN) — MW68
- GROUNDWATER MONITORING WELL (UPPER INTERMEDIATE SCREEN) — MW89
- GROUNDWATER MONITORING WELL (INTERMEDIATE SCREEN) — MW77
- GROUNDWATER MONITORING WELL (DEEP SCREEN) — MW78
- DECOMMISSIONED GROUNDWATER MONITORING WELL — MW17
- SOIL GAS SAMPLE — SG-1
- EXCAVATION SOIL SAMPLE — D-1
- CURRENT OR FORMER UST
- POWER/LIGHT POST OR SIGN — PP
- EDGE OF EASEMENT
- GEOLOGIC CROSS SECTION — A A'
- TOC PROPERTY BOUNDARY
- PARCEL BOUNDARY
- UNDERGROUND ELECTRICAL LINE — E
- FIBER OPTIC — FO
- NATURAL GAS — GAS
- STORM INFILTRATION PIPE — SI
- STORM DRAIN — SD
- SANITARY SEWER — SS
- WATER — W
- OVERHEAD POWER
- FORMER SITE FEATURE
- TREATMENT SYSTEM PROCESS LINES
- SANITARY SEWER CLEAN OUT — C.O.
- UNDERGROUND STORAGE TANK — UST
- CATCH BASIN
- SANITARY SEWER MANHOLE
- SURVEY BENCHMARK
- FORMER INFILTRATION PIT (1975)

DATUM/BASIS OF BEARINGS
HELD A BEARING OF N00°03'34"E ALONG THE MONUMENTED CENTERLINE OF 56TH AVE W BETWEEN 244TH ST SW AND 240TH ST SW PER PLAT OF LAKE FOREST CREST V.10 / P.107

BASIS OF POSITION: CITY OF MOUNTLAKE TERRACE CONTROL POINT DESIGNATION MTLK127.

ORIGINATING BENCHMARK:
TOP OF MAG NAIL IN CURB AT NORTHWEST CORNER OF SITE PER SITE PLAN BY CPS ENGINEERING PROVIDED TO AXIS BY CLIENT

COORDINATE SYSTEM: NAD 83 STATE PLANE WASHINGTON NORTH FIPS 4601 (US FEET)

VERTICAL DATUM: NAVD 88

ELEVATION: 363.62'

REFERENCES:
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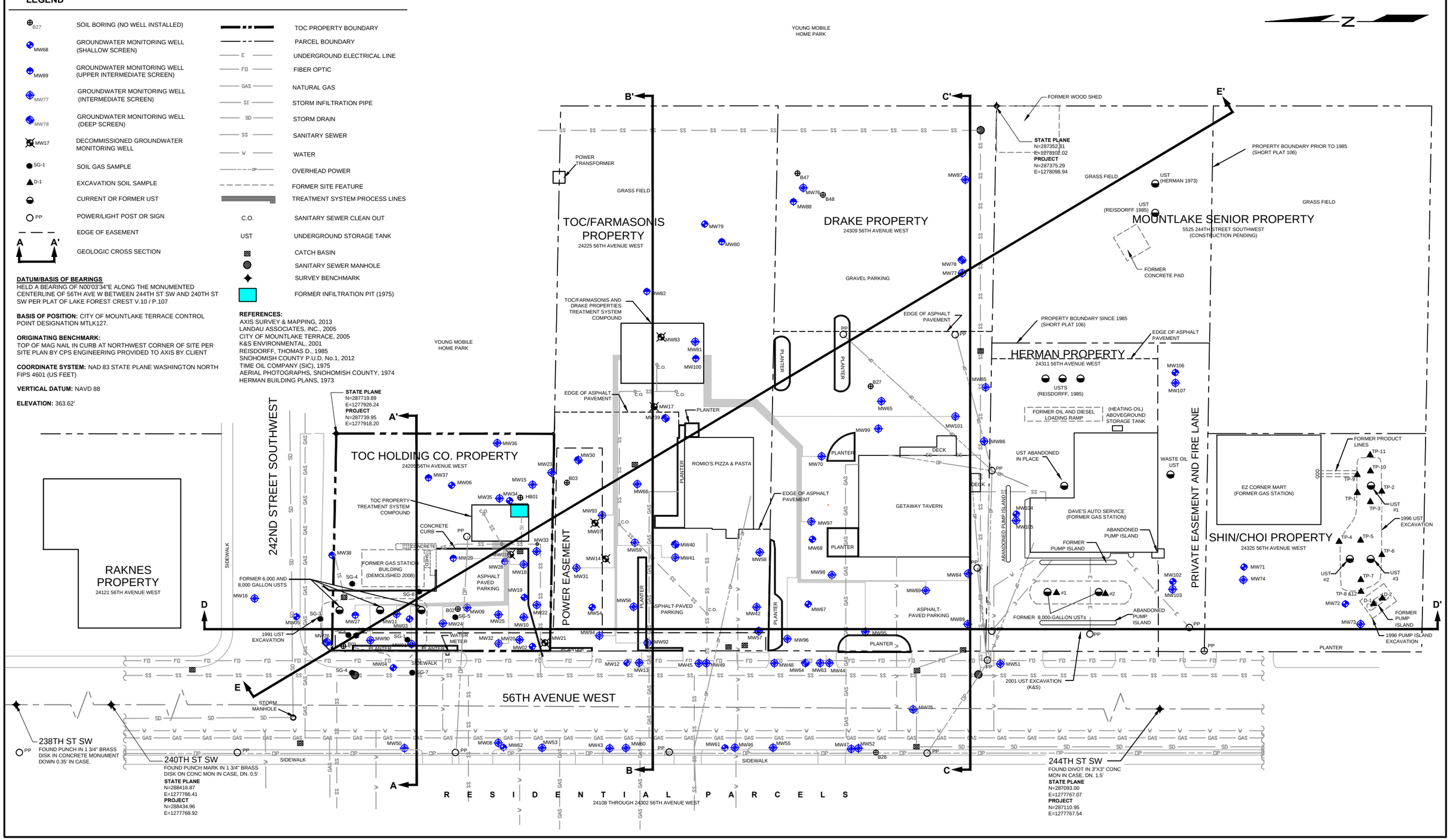
LANDAU ASSOCIATES, INC., 2005
CITY OF MOUNTLAKE TERRACE, 2005
K&S ENVIRONMENTAL, 2001
REISDORFF, THOMAS D., 1985
SNOHOMISH COUNTY P.U.D. No.1, 2012
TIME OIL COMPANY (SIC), 1975
AERIAL PHOTOGRAPHS, SNOHOMISH COUNTY, 1974
HERMAN BUILDING PLANS, 1973



DATE:	10/28/13
DRAWN BY:	JQC/BLR
CHECKED BY:	RKB
CAD FILE:	01-176_2013RI_EL

SoundEarth Strategies
WWW.SOUNDEARTHINC.COM

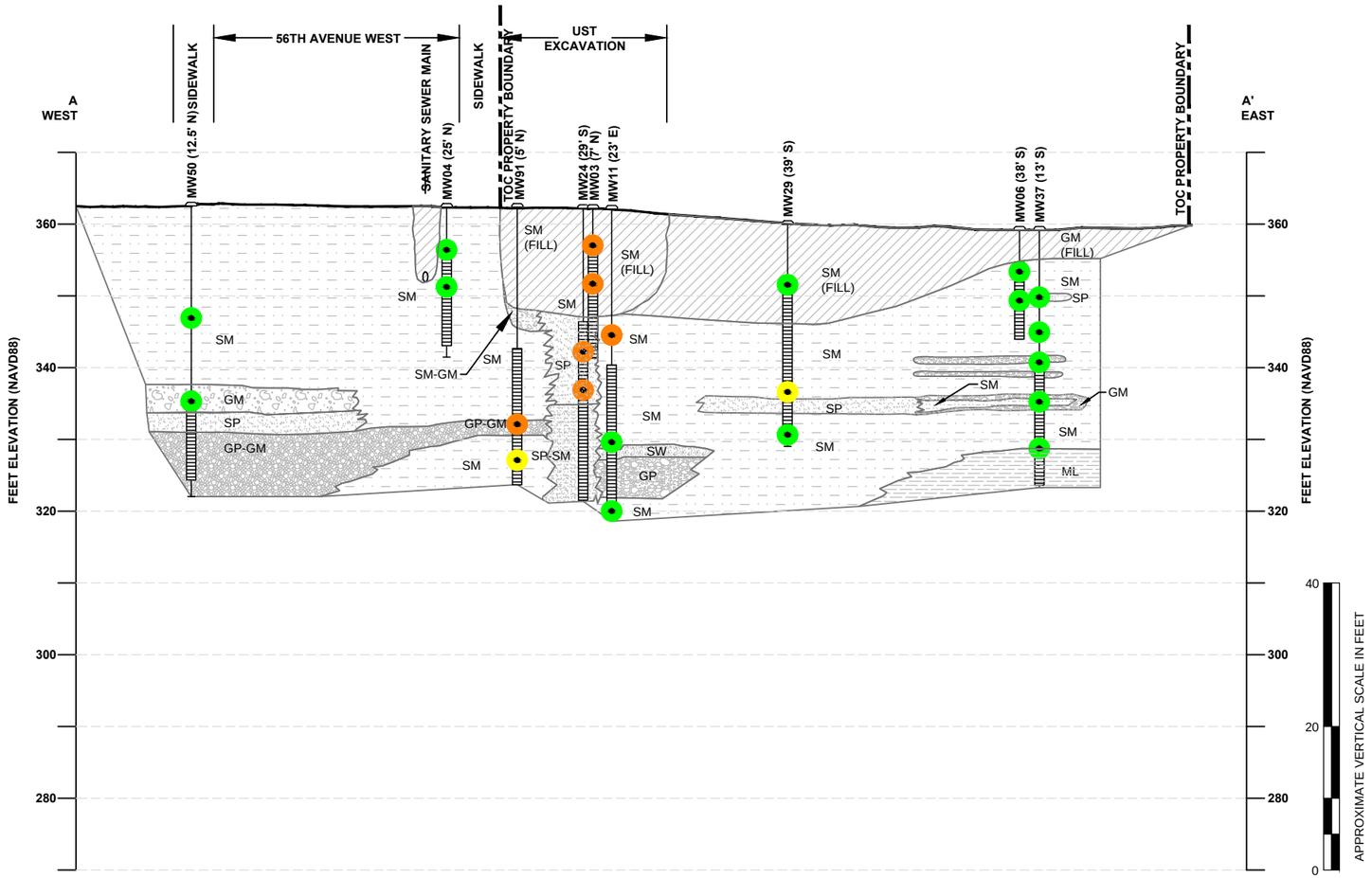
PROJECT NAME:	TOC HOLDINGS CO. FACILITY 01-176
PROJECT NUMBER:	0440-030
STREET ADDRESS:	24205 56TH AVENUE WEST
CITY, STATE:	MOUNTLAKE TERRACE, WASHINGTON

REGION:

0 50 100 200
APPROXIMATE SCALE IN FEET

FIGURE 3
EXPLORATION LOCATION PLAN
WITH GEOLOGIC CROSS SECTION LOCATIONS

SOUNDEARTHINC.COM



LEGEND

SM
SILTY SANDS, SAND - CLAY MIXTURES

SP
POORLY GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES

SW
WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES

GP
POORLY GRADED GRAVELS, GRAVEL - SAND MIXTRUES, LITTLE OR NO FINES

GM
SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES

ML
INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY CLAYEY FINE SANDS

FILL
SILTY SANDS WITH GRAVEL

MW37 (7' N) SAMPLE LOCATION OFFSET 7 FEET NORTH OF CROSS SECTION

BLANK CASING

WELL SCREEN INTERVAL

WELL/BORING TERMINATION

BTEX	BENZENE, TOLUENE, ETHYLBENZENE, TOTAL XYLENES
GRPH	GASOLINE-RANGE PETROLEUM HYDROCARBONS
MTCA	WASHINGTON STATE MODEL TOXICS CONTROL ACT
UST	UNDERGROUND STORAGE TANK

GRPH AND/OR BTEX CONCENTRATIONS DETECTED IN SOIL

- ONE OR MORE ANALYTES DETECTED ABOVE THEIR RESPECTIVE MTCA METHOD A CLEANUP LEVELS
- ONE OR MORE ANALYTES DETECTED AT OR ABOVE LABORATORY DETECTION LIMITS BUT BELOW RESPECTIVE MTCA METHOD A CLEANUP LEVELS
- NO ANALYTES DETECTED ABOVE THEIR RESPECTIVE LABORATORY REPORTING LIMITS

SoundEarth Strategies
WWW.SOUNDEARTHINC.COM

DATE: 10/28/2013
DRAWN BY: BLR
CHECKED BY: RKB
CAD FILE: 01-176_2013RI_XAA

PROJECT NAME: TOC HOLDINGS CO. FACILITY 01-176
PROJECT NUMBER: 0440-030
STREET ADDRESS: 24205 56TH AVENUE WEST
CITY, STATE: MOUNTLAKE TERRACE, WASHINGTON

REGION:

0 50 100
APPROXIMATE HORIZONTAL SCALE IN FEET

FIGURE 4.1
GEOLOGIC CROSS SECTION A-A'

B
WEST

B'
EAST

SANITARY SEWER MAIN

TOC/FARMASONIS PROPERTY BOUNDARY

MW60 (27' N) | MW92 (2' N) | MW56 (23' N) | MW41 (25' S) | MW40 (75' S) MW59 (20' N) | MW93 (54' N) | MW66 (18' N) | MW39 (12' S) | MW82 (8' N) | MW80 (75' S) | MW79 (60' S)

FEET ELEVATION (NAVD88)

360
340
320
300
280

SM
SP-SM
SP
GM
GP-GM
ML
SM (FILL)

TOC/FARMASONIS PROPERTY BOUNDARY

FEET ELEVATION (NAVD88)

40
20
0

APPROXIMATE VERTICAL SCALE IN FEET

LEGEND

SM
SILTY SANDS, SAND - CLAY MIXTURES

SP
POORLY GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES

GP
POORLY GRADED GRAVELS, GRAVEL - SAND MIXTRUES, LITTLE OR NO FINES

GM
SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES

ML
INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY CLAYEY FINE SANDS

FILL
SILTY SANDS WITH GRAVEL

MW37 (7' N) SAMPLE LOCATION OFFSET 7 FEET NORTH OF CROSS SECTION

BLANK CASING

WELL SCREEN INTERVAL

WELL/BORING TERMINATION

BTEX	BENZENE, TOLUENE, ETHYLBENZENE, TOTAL XYLENES
GRPH	GASOLINE-RANGE PETROLEUM HYDROCARBONS
MTCA	WASHINGTON STATE MODEL TOXICS CONTROL ACT
UST	UNDERGROUND STORAGE TANK

GRPH AND/OR BTEX CONCENTRATIONS DETECTED IN SOIL

- ONE OR MORE ANALYTES DETECTED ABOVE THEIR RESPECTIVE MTCA METHOD A CLEANUP LEVELS
- ONE OR MORE ANALYTES DETECTED AT OR ABOVE LABORATORY DETECTION LIMITS BUT BELOW RESPECTIVE MTCA METHOD A CLEANUP LEVELS
- NO ANALYTES DETECTED ABOVE THEIR RESPECTIVE LABORATORY REPORTING LIMITS

Draft for Ecology Review

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CHECKED BY: RKB
CAD FILE: 01-176_2013RI_XBB

PROJECT NAME: TOC HOLDINGS CO. FACILITY 01-176
PROJECT NUMBER: 0440-030
STREET ADDRESS: 24205 56TH AVENUE WEST
CITY, STATE: MOUNTLAKE TERRACE, WASHINGTON

REGION:

0 50 100
APPROXIMATE HRIZONTAL SCALE IN FEET

FIGURE 4.2
GEOLOGIC CROSS SECTION B-B'

C
WEST

C'
EAST

SIDEWALK
56TH AVENUE WEST
SIDEWALK
SANITARY SEWER MAIN
HERMAN PROPERTY BOUNDARY
SANITARY SEWER MAIN
25' BREAK
25' BREAK
PROPERTY BOUNDARY

MW75 (63' N)
MW51 (36' S)
MW89 (2' S)
MW84 (2' S)
MW105 (50' S)
MW104 (50' S)
MW86 (20' S)
MW101 (20' N)
MW85 (20' S)
MW77 (6' N)
MW78 (6' N)
MW87 (4' N)

FEET ELEVATION (NAVD88)

360
340
320
300
280

FILL
SP-SM (FILL)
SM
SP-SM
GP
SM-GM
ML
SP
GM
GP-GM

40
20
0

APPROXIMATE VERTICAL SCALE IN FEET

LEGEND

SM
SILTY SANDS, SAND - CLAY MIXTURES

SP
POORLY GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES

GP
POORLY GRADED GRAVELS, GRAVEL - SAND MIXTRUES, LITTLE OR NO FINES

GM
SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES

ML
INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY CLAYEY FINE SANDS

FILL
SILTY SANDS WITH GRAVEL

MW37 (7' N) SAMPLE LOCATION OFFSET 7 FEET NORTH OF CROSS SECTION

BLANK CASING

WELL SCREEN INTERVAL

WELL/BORING TERMINATION

BTEX	BENZENE, TOLUENE, ETHYLBENZENE, TOTAL XYLENES
GRPH	GASOLINE-RANGE PETROLEUM HYDROCARBONS
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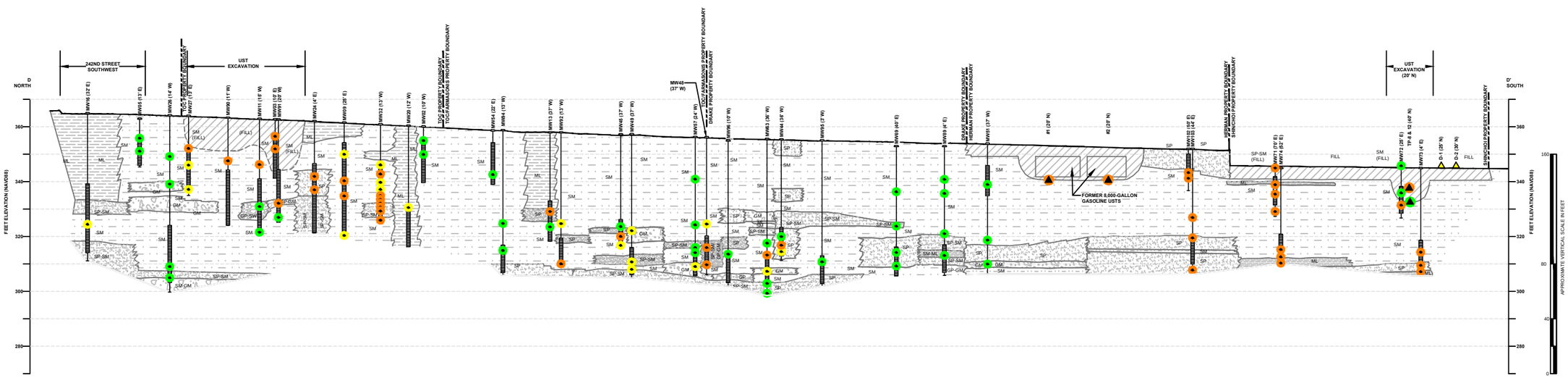
APPROXIMATE HORIZONTAL SCALE IN FEET

FIGURE 4.3
GEOLOGIC CROSS SECTION C-C'



LEGEND

SM
SILTY SANDS, SAND - CLAY MIXTURES

SP
POORLY GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES

SW
WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES

GP
POORLY GRADED GRAVELS, GRAVEL - SAND MIXTRUES, LITTLE OR NO FINES

GM
SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES

ML
INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY CLAYEY FINE SANDS

FILL
SILTY SANDS WITH GRAVEL

MW37 (7' N) SAMPLE LOCATION OFFSET 7 FEET NORTH OF CROSS SECTION

BLANK CASING

WELL SCREEN INTERVAL

WELL/BORING TERMINATION

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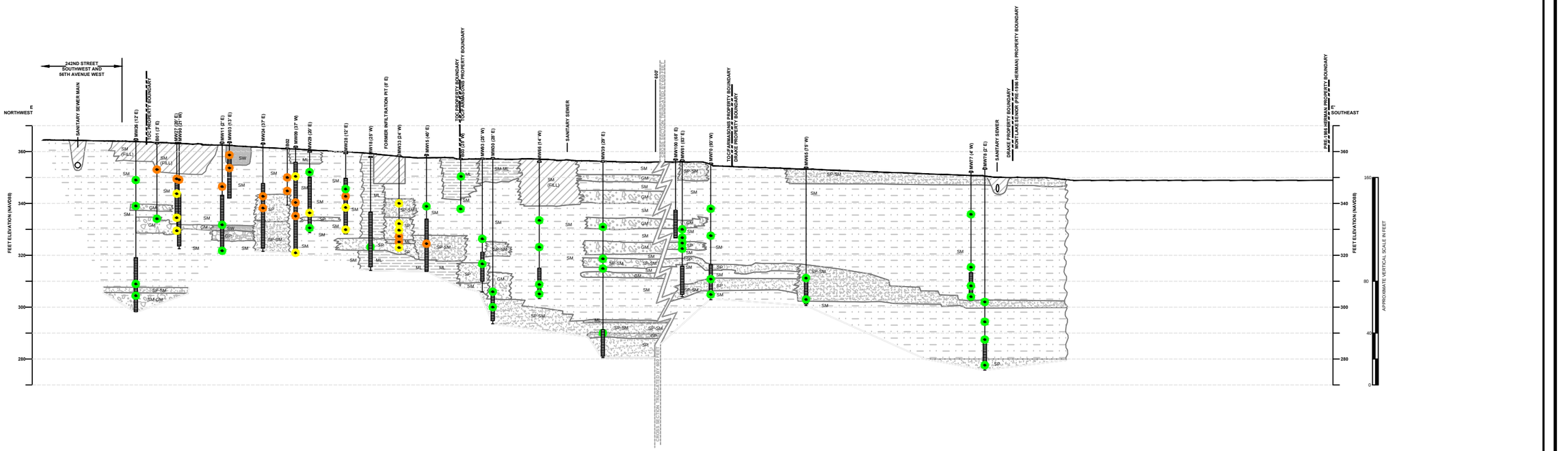
0 50 100 200
APPROXIMATE HORIZONTAL SCALE IN FEET

FIGURE 4.4
GEOLOGIC CROSS SECTION D-D'



LEGEND

SM
SILTY SANDS, SAND - CLAY MIXTURES

SP
POORLY GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES

SW
WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES

GP
POORLY GRADED GRAVELS, GRAVEL - SAND MIXTRUES, LITTLE OR NO FINES

GM
SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES

FILL
SILTY SANDS WITH GRAVEL

ML
INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY CLAYEY FINE SANDS

MW37 (7' N) SAMPLE LOCATION OFFSET 7 FEET NORTH OF CROSS SECTION

BLANK CASING

WELL SCREEN INTERVAL

WELL/BORING TERMINATION

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FIGURE 4.5
GEOLOGIC CROSS SECTION E-E'